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Annual report, 2003-2004

Jouni Uitto
Thomas Jefferson University

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**DEPARTMENT OF DERMATOLOGY AND
CUTANEOUS BIOLOGY**
Jefferson Medical College

ANNUAL REPORT

2003-2004

Jouni Uitto, MD, PhD
Professor and Chair

**DEPARTMENT OF DERMATOLOGY AND CUTANEOUS BIOLOGY
JEFFERSON MEDICAL COLLEGE**

**STATEMENT OF THE CHAIR
Academic Year 2003-2004**

**Jouni Uitto, M.D., Ph.D.
August 15, 2004**

PREFACE

This Academic year marks the 18th year of my tenure as the Chair of the Department of Dermatology and Cutaneous Biology at Jefferson Medical College. Over the past two decades, our Department has witnessed extraordinary growth in the academic enterprise. In fact, at the end of the Academic Year 2003, we currently have a full-time faculty of 24, comprising of 10 clinicians and 14 research faculty, the total number of trainees currently stands at 21, including 12 residents and 9 research fellows, our clinical enterprise continues to flourish, and extramural grant support continues to grow.

At the same time, the Department of Dermatology and Cutaneous Biology, like many other departments at Jefferson, continue to face challenges of increasing costs and expenses, while cutbacks in the guise of reduced reimbursements, soaring of malpractice costs, and reductions in the institutional support for growth and maintenance of the departmental infrastructure, have posed major challenges. In spite of these obstacles, our department is proud of its standing as one of the leading institutions nationwide in providing quality dermatologic care and performing state-of-the-art cutaneous biology research.

I am pleased to present this report on the clinical, teaching, and research activities of the Department of Dermatology and Cutaneous Biology at Jefferson Medical College during the academic year 2003-2004.

CLINICAL ACTIVITIES

Our clinical enterprise, centered on our on-campus practice location at 833 Chestnut Street, has experienced continued growth. Under the direction of Young C. Kauh, MD, Professor and Senior Vice Chair of Departmental Development, and Guy F. Webster, MD, Ph.D., Professor and Clinical Vice Chair, we have reached a new record of patient visits during this academic year. Contributing to our clinical success have been other clinicians, including Dr. Tanya Humphreys, Director of Cutaneous Surgery, Dr. Jason Lee, Director of Dermatopathology, Dr. Patrice Hyde, Chief of Pediatric Dermatology, and Franziska Ringpfeil, Assistant Professor of Dermatology. During this academic year, four clinicians have left full-time employment of the Department: Dr. Paul Bujanauskas joined the Clinical Faculty of Johns Hopkins University; Dr. Magaly DelMonaco entered into private practice in New Jersey; Dr. Norman B. Sykes entered into private practice in Ellsworths, Maine. The departure of these physicians coincides with the departmental decision to close, based on prudent fiscal analysis, our off-site independent satellite

practices. In addition, Dr. Kehua Li is undertaking his dermatopathology fellowship at the University of Colorado. We thank them for their long-term contributions to the Department's clinical activities. At the same time, we have been successful in recruiting two additional new clinicians: Dr. Stacy Katchman and Dr. Barbara Vail have joined the Department as members of the full-time faculty, and we welcome them to Jefferson Dermatology.

Mr. Alan Strigga, the Departmental Business Manager, with the help of Karen Griffin, Clinical Manager, has been instrumental in maintaining the high quality of standards of our clinical operations. We thank them, and the entire clinical office staff, for their superb help.

Specialty Services

In addition to general dermatology, a number of specialty services are available to our patients at our Center City offices.

The Cutaneous Surgery Unit, headed by Dr. Tanya Humphreys, offers a state-of-the-art array of surgical services, including Mohs micrographic surgery, laser surgery, and a number of cosmetic procedures.

The Division of Pediatric Dermatology, is directed by Dr. Patrice Hyde who, in addition to our center city office, practices at A.I. DuPont Hospital for Children. Over the past several years, we have also expanded our pediatric dermatology services to Temple Children's Hospital under the direction of Dr. Franziska Ringpfeil, Assistant Professor of Dermatology.

Molecular Diagnostics

The clinical services are augmented by Molecular Diagnostics of Heritable Skin Diseases Clinic attended by myself and Dr. Gabriele Richard, Associate Professor of Dermatology and Cutaneous Biology, a dermatologist, genetic counselor, and molecular geneticist, with extensive expertise and experience in clinical and molecular genetic studies of ichthyosis and other disorders of cornification. Dr. Richard's research has elucidated the molecular basis of numerous ichthyoses, palmar plantar keratodermas and erthyrokeradermias, and she is a recognized expert in research on connexins disorders. Dr. Richard also serves with me as the co-director of the Molecular Diagnostics Laboratory located in our Department.

Dermatopathology:

The dermatopathology service of the Department of Dermatology and Cutaneous Biology is directed by Dr. Jason Lee, Clinical Assistant Professor of Dermatology and Cutaneous Biology. Since joining us in 2002, this service has grown to – accessions per year, which provides an excellent source of teaching material for our residency training program. We have realigned our dermatopathology teaching with complementary services within the Department of Pathology that is responsible for hospital-based diagnostics. We expect our dermatopathology services to grow, and we look forward a potential recruitment of an additional dermatopathologist in the near future.

In summary, the clinical enterprise of the Department of Dermatology and Cutaneous Biology continues to offer broad and diversified specialty services to our patients, and we look forward to continued expansion of these services. The clinical faculty deserves my congratulations for their outstanding work.

TEACHING

Residency Training Program

Our Residency Training Program continues to be fully accredited towards the eligibility for certification by the American Board of Dermatology. The program currently has twelve residents in good standing. In June 2004, three of our residents completed their training: The Chief Resident, Dr. Judith Cenci, entered private practice in Sellersville, PA; Dr. John Mulholland entered a dermatopathology fellowship program at University of California, Irvine; Dr. Subhadra Sundaram, entered a cutaneous surgery fellowship at Harvard University. I would also like to extend our thanks to our current chief resident, Dr. Christine Ambro, for doing an outstanding job.

Medical Student Teaching

The Department participates in the medical student training by giving – lectures in dermatology for the second year students. These lectures have been extremely well received by the students as judged from the evaluation feedback. In addition, the Department offers dermatology electives to the medical students, primarily from Jefferson Medical College, but space permitting, also from other universities. Dr. Jason Lee has assumed a leadership role by serving as a departmental liaison in coordinating the medical students' educational activities. All the clinical work by the students is under direct supervision by the full-time clinical faculty.

In addition to medical students, our clinics have a number of rotators, including House Staff members from other Jefferson Departments, as well as from other U.S. medical schools and from abroad. During this academic year, we have had international clinical fellows from Brazil, Korea, Pakistan, and Spain, among others.

RESEARCH

Research Faculty

Our research faculty has remained stable and has continued to be a successful in biomedical research. During the past year, several promotions in the academic rank of the research faculty took place. Dr. Kyonggeun Yoon was promoted to the rank of Professor and Dr. Olga Igoucheva to Research Assistant Professor.

Congratulations for these well-deserved promotions!

The extramural support to our research has remained stable, and the Department of Dermatology and Cutaneous Biology has continued to successfully compete for grant support from the National Institutes of Health and other sources. In fact, the Department has remained among the top five dermatology departments in the country in NIH ranking, having been no. 1 in 1998. In addition, Dr. Andrzej Fertala continues to receive grant support from NASA while Drs. My

Mahoney, John Klement and Uli Rodeck have funding from the Department of Defense. Drs. Vitali Alexeev, Reza Ghohestani, Mÿ Mahoney, Fatima Rouan, Gabriele Richard and Franziska Ringpfeil have been recipients of Career Development Awards from a variety of sources, including the National Institutes of Health, Dermatology Foundation, and the American Skin Association. While these Career Development Awards are reaching their end, the challenge is to obtain steady funding that will guarantee continued support to the research of these young investigators. This challenge is compounded by increasing competition for federal support to biomedical research. Finally, I would like to express our thanks to Dr. Mon-Li Chu, Professor and Vice Chair of Research, for her contributions in support of further development of our departmental research enterprise.

Jefferson Institute of Molecular Medicine

The Institute continues to serve as an umbrella for broad inter-departmental and inter-disciplinary research at Jefferson with emphasis on matrix biology and pathology, cancer biology and human molecular genetics. The Institute provides core facilities that serve not only the Departmental researchers but also the entire Jefferson research community at large. The current cores include: Tissue culture core (Director: Dr. Ellen Pfindner); Morphology core (Director: ?; shared with the Department of Pathology); Transgenic animal facilities (Director: Dr. John F. Klement); and DNA syntheses and sequencing core (Co-Directors: Dr. Mon-Li Chu and Dr. Hanus Alder; shared with the Kimmel Cancer Center). Other functions of the Institute include organization of on-going seminar and science lecture series in coordination with Orthopedic Research and Rheumatology/Medicine as well as departmental research in progress series.

DebRA Molecular Diagnostics Laboratory

This laboratory was established in 1996 as a global referral center for molecular diagnostics of epidermolysis bullosa (EB), a group of heritable blistering disorders. This laboratory, a partnership between the lay organization, the Dystrophic Epidermolysis Bullosa Research Association of America, and the Department of Dermatology and Cutaneous Biology at Jefferson Medical College, has continued to provide DNA diagnostics to the global network of EB patients. In fact, as of today, the Center has analyzed DNA from over a thousand families with different forms of EB and has performed close to 200 prenatal diagnoses in these families. Dr. Ellen Pfindner, Assistant Professor of Dermatology, has served as the Manager of this increasingly busy laboratory. The laboratory has expanded its services to other heritable skin diseases, including various keratinization disorders; this effort has been spearheaded by Dr. Gabriele Richard, Co-Director of the laboratory. Over the past year, the laboratory has also partnered with PXE International, a patient advocacy organization supporting research on the causes and treatment of pseudoxanthoma elasticum, a group of disorders characterized by calcification of elastic structures in the skin, eyes, and cardiovascular system. As a result of this partnership, the laboratory has identified disease-causing mutations in a cohort of ~200 families with PXE and has participated in development of a diagnostic kit for these mutations.

JEFFERSON CENTER FOR INTERNATIONAL DERMATOLOGY

Over the past two decades, Jefferson Dermatology has become increasingly recognized as a leader in international dermatology. These activities are concentrated under the umbrella of Jefferson Center for International Dermatology which was established in 1987 to promote the exchange of information and dermatological knowledge within the global network of international dermatology. Within this framework, Jefferson Dermatology has continued to host visiting residents, scholars, and scientists from a variety of countries. Finally, the Center continues to offer a Certificate Program which was developed to provide physicians from abroad the opportunity to learn the most current therapies available and to observe the new skills and techniques being used in the field of dermatology.

Summary

The Department of Dermatology and Cutaneous Biology at Jefferson Medical College continues to excel in academic enterprise, including clinical activities, research endeavors and teaching programs. The quality of our research is attested to by our high ranking as one of the leaders in research in cutaneous biology and pathology. Our international relations continue to flourish and bring recognition not only to the Department but also to Jefferson Medical College at large. The Department is fully committed to further development of activities in the areas of research, education and patient care, to the maximum extent allowed by fiscal realities.

On behalf of the entire Department of Dermatology and Cutaneous Biology at Jefferson, I would like to thank the President and the Board of Trustees of Thomas Jefferson University, the Dean of Jefferson Medical College, and the President of Thomas Jefferson University Hospital, for their continued support to the programs of the Department of Dermatology and Cutaneous Biology.

Jouni Uitto, MD, PhD
Professor and Chair
Department of Dermatology and Cutaneous Biology
Director, Jefferson Institute of Molecular Medicine

FACULTY AND TRAINEES

DEPARTMENT OF DERMATOLOGY AND CUTANEOUS BIOLOGY

2003 - 2004

CHAIRMAN

Jouni Uitto, MD, PhD, Professor of Dermatology and Cutaneous Biology; Professor of Biochemistry and Molecular Pharmacology (secondary appointment); Director, Jefferson Institute of Molecular Medicine

VICE CHAIRS

Young C. Kauh, MD, Professor and Senior Vice Chairman of Departmental Development, Department of Dermatology and Cutaneous Biology

Guy F. Webster, MD, PhD, Professor and Clinical Vice Chair, Department of Dermatology and Cutaneous Biology; Professor of Medicine, Division of Clinical Pharmacology (secondary appointment); Director, Center for Cutaneous Pharmacology, Department of Dermatology and Cutaneous Biology

Mon-Li Chu, PhD, Professor and Vice Chair of Research, Department of Dermatology and Cutaneous Biology; Professor of Biochemistry and Molecular Pharmacology (secondary appointment).

DIVISION CHIEFS/DIRECTORS

Tatyana R. Humphreys, MD, Clinical Associate Professor of Dermatology and Cutaneous Biology; Director, Center for Laser Surgery and Cosmetic Dermatology

Patrice M. Hyde, MD, Clinical Assistant Professor of Dermatology and Cutaneous Biology; Chief of Pediatric Dermatology

Jason B. Lee, MD, Assistant Professor of Dermatology and Cutaneous Biology; Director, Dermatopathology of the Department of Dermatology and Cutaneous Biology

HONORARY MEMBERS:

Joseph K. Corson, MD, Honorary Clinical Associate Professor of Dermatology and Cutaneous Biology

Charles H. Greenbaum, MD, Honorary Clinical Professor of Dermatology and Cutaneous Biology

Richard H. Musgnug, MD, Honorary Assistant Professor of Dermatology and Cutaneous Biology

PROFESSORS

Mohamed A. Amer, MD, Visiting Professor of Dermatology and Cutaneous Biology¹
Mon-Li Chu, PhD*, Professor of Dermatology and Cutaneous Biology
Isao Hashimoto, MD, PhD, Visiting Professor of Dermatology and Cutaneous Biology²
Lasse O. Kanerva, MD, PhD, Visiting Research Professor of Dermatology and
Cutaneous Biology³
Francisco Kerdel-Vegas, MD, Visiting Professor of Dermatology and Cutaneous Biology
Kari I. Kivirikko, MD, PhD, Visiting Professor of Dermatology and Cutaneous Biology⁴
Torello Lotti, MD, Visiting Professor of Dermatology and Cutaneous Biology⁵
Henry C. Maguire, MD, Research Professor of Dermatology and Cutaneous Biology⁶
Thomas O'Brien, PhD, Professor of Dermatology and Cutaneous Biology
Joseph L. Pace, MD, Visiting Professor of Dermatology and Cutaneous Biology⁷
Lawrence C. Parish, MD, Clinical Professor of Dermatology and Cutaneous Biology
Yoon-Kee Park, MD, PhD, Visiting Professor of Dermatology and Cutaneous Biology⁸
Ulrich Rodeck*, MD, Professor of Dermatology and Cutaneous Biology
Terence J. Ryan, FRCP, Visiting Professor of Dermatology and Cutaneous Biology⁹
Markku Ryyänen, MD, PhD, Visiting Professor of Dermatology and Cutaneous Biology¹⁰
Jouni Uitto, MD, PhD*, Professor of Dermatology and Cutaneous Biology, Professor of
Biochemistry and Molecular Pharmacology
Guy F. Webster, MD, PhD*, Professor of Dermatology and Cutaneous Biology,
Professor of Medicine, Division of Clinical Pharmacology

ASSOCIATE PROFESSORS

Sirpa Aho, PhD*, Research Associate Professor of Dermatology and Cutaneous Biology
Guy F. Carnabucci, MD, Adjunct Clinical Associate Professor of Dermatology and
Cutaneous Biology
Andrzej Fertala, PhD*, Associate Professor of Dermatology and Cutaneous Biology
David J. Herrick, PhD*, Research Associate Professor of Dermatology and
Cutaneous Biology
Tatyana R. Humphreys, MD*, Clinical Associate Professor of Dermatology and
Cutaneous Biology, Chief, Division of Cutaneous Surgery, Director, Center for Laser
Surgery and Cosmetic Dermatology
Jaakko Karvonen, MD, PhD, Visiting Professor of Dermatology and Cutaneous Biology¹¹
Bernard A. Kirshbaum, MD, Adjunct Clinical Associate Professor of Dermatology
and Cutaneous Biology
Robert G. Knowlton, PhD, Adjunct Associate Professor of Dermatology and
Cutaneous Biology
Mỹ Mahoney, PhD*, Associate Professor of Dermatology and Cutaneous Biology
Alain Mauviel, PhD, Adjunct Associate Professor of Dermatology and
Cutaneous Biology¹²
Leena Pulkkinen, PhD, Adjunct Research Associate Professor of Dermatology and
Cutaneous Biology

Gabriele Richard, MD*, Associate Professor of Dermatology and Cutaneous Biology
Janet Sawicki, PhD, Research Associate Professor of Dermatology and
Cutaneous Biology

Kyonggeun Yoon, PhD*, Associate Professor of Dermatology and Cutaneous Biology,
Director, Cutaneous Gene Therapy Center

John A. Zitelli, MD, Adjunct Clinical Associate Professor of Dermatology and
Cutaneous Biology

ASSISTANT PROFESSORS:

Vitali Alexeev, PhD*, Assistant Professor of Dermatology and Cutaneous Biology

Ercem Atillasoy, MD, Adjunct Clinical Assistant Professor of Dermatology and
Cutaneous Biology

Harold L. Colburn, Jr., MD, Clinical Assistant Professor of Dermatology and
Cutaneous Biology

Chalmers E. Cornelius, III, MD, Assistant Professor of Dermatology and
Cutaneous Biology

Magaly del Monaco, DO, Adjunct Clinical Assistant Professor of Dermatology and
Cutaneous Biology

Reza F. Ghohestani, MD, PhD*, Research Assistant Professor of Dermatology and
Cutaneous Biology

Seung K. Hann, MD, PhD, Visiting Clinical Assistant Professor of Dermatology and
Cutaneous Biology¹³

Patrice Hyde, MD*, Clinical Assistant Professor of Dermatology and Cutaneous
Biology, Chief, Pediatric Dermatology

Stacy D. Katchman, MD*, Clinical Assistant Professor of Dermatology and
Cutaneous Biology

John F. Klement, PhD*, Assistant Professor of Dermatology and Cutaneous Biology

Raymond Krain, MD, Clinical Assistant Professor of Dermatology and
Cutaneous Biology

Jason Lee, MD*, Assistant Professor of Dermatology and Cutaneous Biology

Kehua Li, MD*, Adjunct Assistant Professor of Dermatology and Cutaneous Biology

Joseph P. McFarland, MD, Assistant Professor of Dermatology and Cutaneous Biology

Ellen Pfindner, PhD*, Assistant Professor of Dermatology and Cutaneous Biology

Franziska Ringpfeil, MD*, Assistant Professor of Dermatology and Cutaneous Biology

Fatima Rouan, PhD*, Research Assistant Professor of Dermatology and Cutaneous Biology

Takashi Tsuda*, MD, Assistant Professor of Dermatology and Cutaneous Biology

Stephan S. Sollberg, MD, Adjunct Research Assistant Professor of Dermatology and
Cutaneous Biology¹⁴

Katsuto Tamai, MD, PhD, Visiting Assistant Professor of Dermatology and
Cutaneous Biology¹⁵

INSTRUCTORS:

Anne Marie C. Angeles, MD, Instructor of Dermatology and Cutaneous Biology
Gary L. Becker, MD, Instructor of Dermatology and Cutaneous Biology
Salvatore P. Calabro, MD, Instructor of Dermatology and Cutaneous Biology
David A. High, MD, Instructor of Dermatology and Cutaneous Biology
Olga Igoucheva, PhD*, Instructor of Dermatology and Cutaneous Biology
Te-Cheng Pan, PhD*, Instructor of Dermatology and Cutaneous Biology
Robin S. Scheiner, MD, Instructor of Dermatology and Cutaneous Biology
Toby Shaw, MD, Instructor of Dermatology and Cutaneous Biology
Barbara Vail, D.V.M., M.D.*, Instructor of Dermatology and Cutaneous Biology
Kenneth Wasserman, MD, Instructor of Dermatology and Cutaneous Biology
Michele J. Ziskind, MD, Instructor of Dermatology and Cutaneous Biology

TJUH RESIDENTS IN DERMATOLOGY AND CUTANEOUS BIOLOGY

PGY-4

Judith Cenci, MD
John Mulholland, MD
Subhadra Sundaram, MD

PGY-3

Christine Ambro, MD
Carmen Campanelli, MD
Sarah Cash, MD
John Wildemore, MD

PGY-2

Gina Ang, MD
Reza Ghohestani, MD, PhD
Aradna Saxena, MD
Janelle Shield, MD

POST-DOCTORAL RESEARCH FELLOWS

Norihiro Fujimoto, MD, PhD
Hidetoshi Ito, MD
Qui-Jie Jiang, PhD
Dessislava Markova, PhD
Michael Naso, PhD
Marle Rocha DeQuadros, Ph.D.
Daniel Shurman, MD
Rosalyn Varki, MD
John Castorino, BS, Pre-doctoral Fellow
Hae Young Choi, MD, PhD, Visiting Scientist¹⁶

ENDNOTES:

* Denotes full-time faculty appointment at Jefferson Medical College

- 1 President, Zagazig University, Cairo, Egypt
- 2 Director, Aomori Rosai Hospital, Hachenoke, Japan
- 3 Professor Emeritus, Section of Dermatology, Institute of Occupational Health,
University of Helsinki, Finland
- 4 Professor, Department of Medical Biochemistry, University Hospital, Oulu, Finland
- 5 Professor, Department of Dermatology, University of Florence, Italy
- 6 Primary appointment to the Department of Medicine, Jefferson Medical College
- 7 Senior Lecturer and Head, Department of Dermatology, St. Jude's Medical Centre, Malta
- 8 Professor, Department of Dermatology, Yonsei University School of Medicine,
Seoul, Korea
- 9 Professor Emeritus, Dermatology at Oxford University, United Kingdom
- 10 Professor and Chairman, Department of Obstetrics & Gynecology, University of
Oulu, Finland
- 11 Professor of Dermatology, University of Helsinki, Finland
- 12 Research Director, Department of Dermatology, Hopital Saint-Louis, Paris, France
- 13 Assistant Professor of Dermatology, Yonsei University Medical Center, Seoul, Korea
- 14 Chief, Department of Dermatology, Schwerin, Germany
- 15 Associate Professor of Gene Therapy Sciences, University of Osaka, Japan
- 16 Associate Professor, Department of Dermatology, Ewha Womans University Mokdong
Hospital, Seoul, Korea

JOUNI UITTO, MD, PhD

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Professor, Department of Biochemistry and Molecular Pharmacology

Director, Jefferson Institute of Molecular Medicine

Program Director, Dermatology Residency Training Program

PEER-REVIEWED PUBLICATIONS

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Pulkkinen, L., Choi, Y.W., Kljuic, A., **Uitto, J.**, and Mahoney, M.G.: Novel Member of the Mouse Desmoglein Gene Family: Dsg1- β : *Exp. Derm.* 12:11-19, 2003.

Matsuzaki, Y., Kon, A., Katsuto, T., Sawamura, D., **Uitto, J.**, and Hashimoto, I.: Keratinocyte Responsive Element 3 (KRE3): Analysis of a Keratinocyte-Specific Regulatory Sequence in the 230-kD Bullous Pemphigoid Antigen (BPAG1) Gene Promoter. *J. Invest. Dermatol.* 120:308-312, 2003.

Metz, B.J., Ruggeri, S.Y., Hsu, S., Reed, J.A., Ghohestani, A.S., **Uitto, J.**, and Ghohestani, R.F.: Linear IgA Dermatitis with IgA and IgG Autoantibodies to the 180 kDa Bullous Pemphigoid Antigen (BP180): Evidence for a Distinct Subtype. *Int. J. Derm.* (in press).

JOUNI UITTO, MD, PhD

Professor and Chair, Department of Dermatology and Cutaneous Biology

Professor, Department of Biochemistry and Molecular Pharmacology

Director, Jefferson Institute of Molecular Medicine

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SUBMITTED PUBLICATIONS:

Nakano, H., Mauviel, A., Iozzo, R., and **Uitto, J.**: Interferon- γ Counteracts the Transcriptional Upregulation of Type VII Collagen Gene Expression Elicited by Transforming Growth Factor- β Evidence for Involvement of Stat-1 but not the Smad Pathway in Human Epidermal Keratinocytes.

Brittingham, R., Colombo, M., Ito, H., Steplewski, A., Birk, D.E., **Uitto, J.**, Fertala, A.J.: Single Amino Acid Substitutions in Procollagen VII Affect Early Stages of Assembly of Anchoring Fibrils.

Hata, D., Miyazaki, M., Seto, S., Furusho, K., Kadota, E., Nakano, A., Tamai, K., **Uitto, J.**, Moriyama, K., and Miyazaki, K.: Nephrotic Syndrome and Aberrant Expression of Laminin Isoforms in Glomerular Basement Membranes in an Infant with Herlitz Junctional Epidermolysis Bullosa.

Matsuzaki, Y., Jiang, Q.-J., Li, K., and **Uitto, J.**: Transcriptional Regulation of ABCC6 Gene Expression. Identification of a Novel Liver-Specific *Cis*-Element, Role of SP1, and Cytokine Modulation of the Promoter Activity.

Matsuzaki, Y., Nakano, A., Pulkkinen, L., and **Uitto, J.**: The ABCC6 Gene: Tissue-Specific Expression and Evidence for Alternative Splicing in the 3'-End of the mRNA.

Kaneko, T., Tamai, K., Matsuzaki, Y., Yamazaki, T., Nakano, H., Kon, A., Hashimoto, I., Hanada, K., Kaneda, Y., and **Uitto, J.**: Interferon-g Downregulates Expression of the 230-kD Bullous Pemphigoid Antigen Gene (BPAG1) via Novel Chimeric Sequences of ISRE and GAS in Epidermal Keratinocytes.

Brennan, D., Hu, Y., Corealle, D., Choi, Y.W., Joubeh, S., Kljuic, A., Wahl, J.K., Christiano, A.M., **Uitto, J.**, and Mahoney, M.: Differential Expression of Dsg1- β and Dsg1- α in Mouse Stratified Epithelial Tissues.

Matsuzaki, Y., Jiang, Q.-J., Li, K., and **Uitto, J.**: Transcriptional Regulation of ABCC6 Gene Expression. Identification of a Novel Liver-Specific *Cis*-Element, Role of Sp1, and Cytokine Modulation of the Promoter Activity.

Kalinin, A.E., Kalinin, A.E., Aho, M., Uitto, J., and Aho, S.: Breaking the Connection: Caspase 6 Cleaves Periplakin Releasing the Intermediate Filament Binding Tail Region from the Actin Binding N-Terminal Domain.

JOUNI UITTO, MD, PhD

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(continued)

Pfendner, E., and **Uitto, J.:** Plectin Gene Mutations Cause Epidermolysis Bullosa with Pyloric Atresia

CHAPTERS IN BOOKS AND REVIEW ARTICLES

Uitto, J., Richard, G.: Progress in Epidermolysis Bullosa: From Eponyms to Molecular Genetic Classification. Clin. Dermatol. (in press).

Uitto, J.: Clinical Implications of Basic Research on Heritable Skin Diseases. Abstracts, The IX International Congress of Dermatology, Beijing, China, May 19-22, 2004, Abstract 04.

Murrell, D.F., Turner, A., Moran, K., Pfendner, E., **Uitto, J.,** Lloyd, L., Klingberg, S.: Prenatal Diagnosis of Epidermolysis Bullosa in Australia. Abstracts of the Australasian College of Dermatologists 57th Annual Meeting, Sydney, New South Wales, Australia, May 16-19, 2004.

Uitto, J.: Epidermolysis Bullosa: The Expanding Mutation Database. (Commentary) J. Invest. Dermatol. (in press).

Uitto, J.: Structure & Function of the Skin. (CRS 203). The 62nd Annual Meeting of the American Academy of Dermatology, Washington, DC, February 7, 2004.

Uitto, J.: Pseudoxanthoma Elasticum – A Connective Tissue Disorder or a Metabolic Disease at the Genome/Environmental Interface? (Commentary). J. Invest. Dermatol. 122(3):ix-x, 2004.

Ringpfeil, F., and **Uitto, J.:** Pseudoxanthoma Elasticum. Encyclopedic Reference of Genomics and Proteomics (in press).

Uitto, J., and Ringpfeil, F.: Heritable Disorders of Connective Tissue: The Paradigms of Ehlers-Danlos Syndrome and Pseudoxanthoma Elasticum. In: Principles of Molecular Medicine (Goldsmith, L., and Diaz, L.A., eds.) Second Ed., Humana Press, Totowa, N.J. (in press).

Uitto, J., and Ringpfeil, F.: Ehlers-Danlos Syndrome – Molecular Genetics Beyond the Collagens. J. Invest. Dermatol. 122(4):XII, 2004.

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Professor and Chair, Department of Dermatology and Cutaneous Biology

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Uitto, J., Richard, G., and Christiano, A.M.: Molecular Genetics Of Epidermolysis Bullosa. In: Principles of Molecular Medicine. (Goldsmith, L., and Diaz, L.A., eds). Second Ed., Humana Press, Totowa, N.J. (in press).

Uitto, J., and Richard, G.: Progress in Epidermolysis Bullosa: Genetic Classification and Clinical Implications. In: Genetic Disorders of the Skin. Am. J. Med. Genet. Seminar. (in press).

Richard, G., and **Uitto, J.:** Heritable Skin Disorders. Encyclopedic Reference of Genomics and Proteomics. (in press).

Uitto, J., Pfindner, E., and Jackson, L.C.: Probing the Fetal Genome: Progress Towards Non-Invasive Prenatal Diagnosis. *Trends Mol. Med.* 9:339-343, 2003.

Uitto, J., and Chu, M-L.: Elastic Fibers. In: Fitzpatrick's Dermatology in General Medicine (Freedberg, I.M., et al., eds), Sixth Edition, McGraw-Hill, New York, 2003, pp. 180-189.

Uitto, J., Pulkkinen, L., and Chu, M-L.: Collagen. In: Fitzpatrick's Dermatology in General Medicine (Freedberg, I.M., et al., eds), Sixth Edition, McGraw-Hill, New York, 2003, pp. 165-179.

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Uitto, J., Ringpfeil, F., and Pulkkinen, L.: Heritable Disorders of Connective Tissue – Ehlers-Danlos Syndrome, Pseudoxanthoma Elasticum and Cutis Laxa. In: Dermatology (Bologna, J.L., Jorizzo, J.L., and Rapini, R.P., eds.) Harcourt Publishers, London, 2003, pp. 1519-1530.

ABSTRACTS

Ghahestani, A.S., Nikbakht, N., Fry, L., Reunala, T., **Uitto, J.,** and Ghohestani, R.: Circulating IgA Autoantibodies to Epidermal Transglutaminase 3 Can Not Distinguish Dermatitis Herpetiformis from Celiac Disease. *J. Invest. Dermatol.* 122: Abstract 081, 2004.

JOUNI UITTO, MD, PhD

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Nguyen, P., Bazzi, H., Kljuic, A., Vargas, J.H., Dmochowski, M., Barria, M., Ghohestani, R.F., Chan, L.S., **Uitto, J.**, Diaz, L.A., Christiano, A.M., Mahoney, M.G., and Nguyen, V.T.: Identification of a Novel Population of Pathogenic Autoantibodies Against Desmoglein 4 in Different Major Variants of Pemphigus. *J. Invest. Dermatol.* 122: Abstract 085, 2004.

Fujimoto, N., Terlizzi, J., Li, K., Aho, S., and **Uitto, J.**: Assembly of Elastic Fibers: Elastin and MFAP3 Interactions Determined by Yeast Two-Hybrid Genetic System: *J. Invest. Dermatol.* 122: Abstract 215, 2004.

Brennan, D.M., Hu, Y., Kljuic, A., **Uitto, J.**, Panteleyev, A., Christiano, A.M., Mahoney, M.G.: Complexity of Dsg1- α , - β , and - γ Expression in Diverse Mouse Tissues and During Hair Follicle Formation. *J. Invest. Dermatol.* 122: Abstract 222, 2004.

Terlizzi, J., Li, K., Aho, S., Fujimoto, N., Oyama, N., Hamada, T., Chan, I., McGrath, J.A., and **Uitto, J.**: Characterization of ECM-1 Protein Interactions by Yeast Two-Hybrid System. *J. Invest. Dermatol.* 122: Abstract 225, 2004.

Kalinin, A.E., Kalinin, A.E., Aho, M., **Uitto, J.**, and Aho, S.: Breaking the Connection: Caspase 6 Cleaves Periplakin Releasing the Intermediate Filament Binding Tail Region from the Actin Binding N-terminal Domain. *J. Invest. Dermatol.* 122: Abstract 437, 2004.

Richard, G., Ratajczak, P.A., Amin, S., Ilyas, H., Tesfaye Kedjela, A., Siegfried, E.C., and **Uitto, J.**: Netherton Syndrome: Novel and Recurrent Mutations in SPINK5 and Implications for Screening and Diagnosis. *J. Invest. Dermatol.* 122: Abstract 483, 2004.

Sprecher, E., Abu Sa'd, J., Pfindner, E., Indelman, M., Ciubutaro, D., Mizrachi, M., Lestringant, G., Pulkkinen, L., Richard, G., Kanaan, M., **Uitto, J.**, and Bergman, R.: Molecular Epidemiology of Epidermolysis Bullosa in Middle East Populations. *J. Invest. Dermatol.* 122: Abstract 493, 2004.

Uitto, J. and Pfindner, E.: Compound Heterozygosity for Unique In-Frame Insertion and Deletion Mutations in the Plectin Gene in a Mild Case of Epidermolysis Bullosa with Very Late Onset Muscular Dystrophy. *J. Invest. Dermatol.* 122: Abstract 513, 2004.

JOUNI UITTO, MD, PhD

Professor and Chair, Department of Dermatology and Cutaneous Biology

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Pfendner, E. and **Uitto, J.**: Novel and Recurrent Mutations in the Keratin 5 and 14 Genes in Epidermolysis Bullosa Simplex: Implications for Genetic Counseling. *J. Invest. Dermatol.* 122: Abstract 516, 2004.

Fratta, S., Ringpfeil, F., Terry, S., Terry, P., **Uitto, J.** and Pfendner, E.: dHPLC Screening Detects Novel and Recurrent Mutations in Pseudoxanthoma Elasticum. *J. Invest. Dermatol.* 122: Abstract 517, 2004.

Jiang, Q., Matsuzaki, Y., Li, K. and **Uitto, J.**: Transcriptional Regulation of ABCC6 Gene Expression: Identification of Novel *Cis*-Elements, Role of Sp1, and Cytokine Modulation of the Promoter Activity. *J. Invest. Dermatol.* 122: Abstract 522, 2004.

Colombo, M., Brittingham, R.J., Klement, J., Birk, D.E., **Uitto, J.**, and Fertala, A.: Procollagen VII Self-Assembly and its Perturbations in Dystrophic Epidermolysis bullosa. *J. Invest. Dermatol.* 122: Abstract 525, 2004.

Ringpfeil, F., McGuigan, K., Fuchsel, L., Kozic, H., Lebwohl, M., and **Uitto, J.**: Autosomal Dominant Inheritance in Pseudoxanthoma Elasticum Revisited. *J. Invest. Dermatol.* 122: Abstract 551, 2004.

Fuchsel, L., Kozic, H., McGuigan, K., Skvarka, C., Jacobson, M., **Uitto, J.** and Ringpfeil, F.: Genotype-Phenotype Correlation in 62 Patients with Pseudoxanthoma Elasticum. *J. Invest. Dermatol.* 122: Abstract 554, 2004.

Ringpfeil, F., McGuigan, K., Kozic, H., and **Uitto, J.**: Pseudodominance in Pseudoxanthoma Elasticum – A Common Phenomenon: Implications for Genetic Counseling. *Am. J. Human Genet.* 73: Abstract 710, 2003.

Uitto, J., Matsuzaki, Y., Terlizzi, J., Li, K., Leperi, D., Klement, J., and Pulkkinen, L.: Pseudoxanthoma Development of a Mouse Model by Targeted Ablation of ABCC6. *Am. J. Human Genet.* 73: Abstract 1649, 2003.

Richard, G., Yi, L., Wasserman, D., Rouan, F., Jan, A.Y., Sybert, V.P., and **Uitto, J.**: Molecular Studies in KID Syndrome Reveal a Mutational "Hot Spot" in Cx26, Genetic Heterogeneity and an Intriguing Phenotypic Variability. Abstracts, International Gap Junction Conference, St. John's College, University of Cambridge, Cambridge, United Kingdom, August 23 – 28, 2003, p. 119.

JOUNI UITTO, MD, PhD

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Rouan, F., Yi, L., **Uitto, J.**, and Richard, G.: Similar Mutations of Cx31 and Cx30.3 Impair Gap Junction Function, Dominantly Inhibit Wtcx31, and have Different Consequences for Cell Survival. Abstracts, International Gap Junction Conference, St. John's College, University of Cambridge, Cambridge, United Kingdom, August 23 – 28, 2003, p. 123.

Uitto, J.: Molecular Biology of the Skin and the Environment: The Paradigm of Cutaneous Aging. Abstracts, First World Congress on Work-Related and Environmental Allergy, Helsinki, Finland, July 9-12, 2003, p. 51.

Shu, D., Peritz, A.E., Youn, J., Gasparro, F.P., and **Uitto, J.**: 8-Methoxypsoralen Photoadducts Mapping of p53 Gene in the Fibroblasts Treated with PUVA. *J. Invest. Dermatol.* 121: Abstract 1132, 2003.

Kljuic, A., Sundberg, J., Bazzi, H., Martinez-Mir, A., O'Shaugnessy, R., Djabali, K., Levy, M., Montagutelli, X., Ahmad, W., Aita, V.M., Gordon, D., Mahoney, M., **Uitto, J.**, Whiting, D., Ott, J., Fisher, S., Gilliam, T., Morris, R., Panteleyev, A., and Christiano, A.M.: Desmoglein 4 is a Novel Desmosomal Cadherin with an Essential Role in Hair Follicle Keratinocyte Differentiation and is Mutated in the Lanceolate Mouse and Localized Hypotrichosis in Humans. *J. Invest. Dermatol.* 121: Abstract 0844, 2003.

Markova, D., Zou, Y., Ringpfeil, F., Sasaki, T., Kostka, G., Timpl, R., **Uitto, J.**, and Chu, M.L.: Genetic Heterogeneity of Cutis Laxa: A Heterozygous Tandem Duplication within the Fibulin-5 Gene. *J. Invest. Dermatol.* 121: Abstract 0677, 2003.

Matsuzaki, Y., Terlizzi, J., Li, K., Leperi, D., Klement, J., Pulkkinen, L., and **Uitto, J.**: Pseudoxanthoma Elasticum – Development of a Mouse Model by Targeted Ablation of ABCC6. *J. Invest. Dermatol.* 121: Abstract 0672, 2003.

Richard, G., Wasserman, D., Sundaram, S., Kozic, H., Itin, P., Lewanda, A., Antaya, R., Willoughby, C., and **Uitto, J.**: Genotype-Phenotype Correlations in KID Syndrome: Novel GJB2 Mutations and Association with Squamous Cell Carcinoma. *J. Invest. Dermatol.* 121: Abstract 0666, 2003.

Pulkkinen, L., Meng, X., Klement, J., Leperi, D., Birk, D., Sasaki, T., Timpl, R., and **Uitto, J.**: Induced Apoptosis, and Altered Adhesion, Proliferation and Gene Expression of Keratinocytes in the Epidermis of Mice Deficient in the Laminin γ -2 Chain. *J. Invest. Dermatol.* 121: Abstract 0658, 2003.

JOUNI UITTO, MD, PhD

Professor and Chair, Department of Dermatology and Cutaneous Biology

Professor, Department of Biochemistry and Molecular Pharmacology

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(continued)

Kozic, H., Oldemeyer, B., Kusseluk, E., Saxena, A., **Uitto, J.**, and Ringpfeil, F.: Cardiovascular Disease in Pseudoxanthoma Elasticum is not Linked to Mutations in ABCC6. *J. Invest. Dermatol.* 121: Abstract 0642, 2003.

Rouan, F., Yi, L., **Uitto, J.**, and Richard, G.: pathogenic Mutations Affecting Cx31 and Cx30.3 Impair Gap Junction Function and Induce Cell Death. *J. Invest. Dermatol.* 121: Abstract, 0603, 2003.

Pfendner, E., Fratta, S., Sadowski, S., and **Uitto, J.**: dHPLC Based Mutation Detection for Dystrophic Epidermolysis Bullosa. *J. Invest. Dermatol.* 121: Abstract 0390, 2003.

Brennan, D., Hu, Y., Corealle, D., Choi, Y., Joubeh, S., Kljuic, A., Wahl, J., Zlotogorski, A., Christiano, A., **Uitto, J.**, Pulkkinen, L., and Mahoney, M.: Role of Novel Desmosomal Cadherin, Desmoglein 1- β , in Cell-Cell Adhesion and Blistering Disease. *J. Invest. Dermatol.* 121: Abstract 0251, 2003.

AWARDS AND HONORS

Invited Plenary Lecturer, IX International Congress of Dermatology, Beijing, China, May 19-22, 2004.

Honorary Professorship, Department of Dermatology, China Medical University, Shenyang, China, May 28, 2004.

Included in *Best Doctors in America, 2003-2004*.

President and Chair of the Organizing Committee, The 12th International Symposium on Basement Membranes, to be held at Jefferson Medical College, Philadelphia, Pennsylvania, June 16-19, 2005 (appointed in the 11th Symposium, Japan, March 6-9, 2003).

Plenary Speaker, First World Congress on Work-Related and Environmental Allergy, Finnish Institute of Occupational Health, Helsinki, Finland, July 9-12, 2003.

Honorary Member (Number 5), Scandinavian Connective Tissue Society, Appointed in the Third Swedish-Finnish Connective Tissue Meeting, Harjattula, Turku, Finland, September 26, 2003.

JOUNI UITTO, MD, PhD

Professor and Chair, Department of Dermatology and Cutaneous Biology

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(continued)

VISITING PROFESSORSHIPS AND INVITED LECTURESHIPS

Visiting Professor, Department of Dermatology, Brown University School of Medicine, Providence, Rhode Island, January 7-8, 2004.

Invited Speaker, Course "Structure and Function of the Skin", 62nd Annual Meeting of the American Academy of Dermatology, Washington, D.C., February 7, 2004.

Visiting Scientist, University of Hawaii, Manoa, Oahu, Hawaii, February 12-13, 2004.

Visiting Lecturer, Division of Dermatology, Department of Medicine, University of California, San Diego, San Diego, California, February 26, 2004.

Invited Discussant, Scientific Planning Retreat, National Institute of Arthritis and Musculoskeletal and Skin Diseases, National Institutes of Health, The Aspen Institute, Aspen Wye River, Maryland, March 28-30, 2004.

Seminar Speaker, Science Center, University of Pennsylvania, Philadelphia, Pennsylvania, April 15, 2004.

Visiting Scientist, The Smurfit Institute for Genetics, Trinity College, Dublin, Republic of Ireland, April 21 and 22, 2004.

Invited Speaker, The Annual Meeting of the Irish Association of Dermatologists, Armaugh, Northern Ireland, United Kingdom, April 23 and 24, 2004.

Invited Participant and Session Chair, Symposium on "Extracellular Matrix: Assembly, Functions and Role in Disease – A Tribute to Rupert Timpl". Max Planck Institute for Biochemistry, Martinsreid, Germany, April 25-27, 2004.

Invited Speaker, Department of Dermatology, Peking University First Hospital Skin and STD Center, Peking University, Beijing, China, May 20, 2004.

Guest Lecturer, Department of Dermatology, Fourth Military Medical University, National Key Discipline of Dermatology and Venereology Center of People's Liberation Army of China, Xijing Hospital, Xi'an, China, May 25, 2004.

Invited Speaker, Department of Dermatology, No. 1 Hospital of the China Medical University, Shenyang, China, May 27, 2004.

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(continued)

Invited Speaker, The 4th Resident Retreat for Future Physician-Scientists, Airlie Center, Warrenton, Virginia, June 4-6, 2004.

Grand Round Speaker, Department of Dermatology, Johns Hopkins University School of Medicine, Baltimore, Maryland, June 9, 2004.

Invited Speaker, Third European Symposium, Elastin-2004, University of Manchester, Manchester, United Kingdom, June 30 – July 3, 2004.

Invited Speaker, University of Hawaii, Manoa, Oahu, Hawaii, January 26-28,

Invited Speaker and Session Chair, Gordon Conference on "Epithelial Differentiation and Keratinization", Tilton, New Hampshire, July 13-18, 2003.

Consultant and Invited Lecturer, Avon Products, Inc., Suffern, New York, September 5, 2003.

Invited Speaker, Frontiers of Science Seminars, Biocity, University of Turku, Finland, September 25, 2003.

Keynote Lecturer, The Third Swedish-Finnish Connective Tissue Meeting, Harjattula, Turku, Finland, September 26 & 27, 2003.

Guest Lecturer, Campus-Wide Graduate Seminars, Drexel University, Philadelphia, Pennsylvania, October 3, 2003.

Keynote Speaker, Second International Symposium on Bullous Diseases: What is New? Department of Dermatology, Heinrich-Heine University, Düsseldorf, Germany, October 11, 2003.

Invited Speaker, NIH Sponsored: Genetic Diseases Impacting Processes of Aging and Longevity. The 56th Annual Scientific Meeting of the Gerontological Society of America, San Diego, California, November 21-23, 2003.

SIRPA AHO, PH.D.

*Research Associate Professor of Dermatology and Cutaneous Biology,
Department of Dermatology and Cutaneous Biology
Research Associate Professor of Pathology, Anatomy and Cell Biology
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PUBLICATIONS:

Kazerounian, S. and **Aho, S.** Characterization of periphilin, a widespread, highly insoluble nuclear protein and potential constituent of the keratinocyte cornified envelope. *J. Biol. Chem.* 278: 36707-36717, 2003.

Aho, S. and Kazerounian, S. Molecular interactions of periplakin in epithelial cells. *Recent Res. Devel. Cell. Biochem.*, 1: 131-141, 2003. Transworld Research Network, Kerala, India.

Aho, S. Many faces of periplakin: domain-specific antibodies detect the protein throughout the epidermis explaining its multiple protein-protein interactions. *Cell Tissue Res.*, 316: 87-97, 2004.

Aho, S. Soluble form of Jagged1: Unique product of epithelial keratinocytes and a regulator of keratinocyte differentiation. *J. Cell. Biochem.*, 92:1271-1281, 2004.

Aho, S. Plakin proteins are coordinately cleaved during apoptosis but preferentially through the action of different caspases. *Exp. Dermatol.* In press.

Aho, S., Li, K., Ryoo, Y., McGee, C., Ishida-Yamamoto, A., Uitto, J. and Klement, JF. Periplakin gene targeting reveals a constituent of the cornified cell envelope dispensable for normal mouse development. *Mol. Cell. Biol.* 24:6410-6418, 2004.

Kalinin, AE, Kalinin, AE, Aho, M., Uitto, J. and **Aho, S.** Breaking the connection: Caspase 6 disconnects intermediate filament binding domain of periplakin from its actin binding N-terminal region. *J. Invest. Dermatol.* In press.

GRANT SUPPORT:

“Hemidesmosomal Protein Linkage Map by Two-hybrid System”. NIH/NIAMS: 1RO1-AR44833, \$121,691/y.

Principal investigator: Sirpa Aho, Ph.D.

PARTICIPATION IN SCIENTIFIC MEETINGS:

Gordon Research Conference, Epithelial Differentiation and Keratinization. Tilton School, Tilton, NH, July 13-18, 2003.

The 65th Annual Meeting of the Society for Investigative Dermatology, April 28-May 1, 2004, Providence, RI.

SIRPA AHO, PH.D.

Research Associate Professor of Dermatology and Cutaneous Biology,

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Research Associate Professor of Pathology, Anatomy and Cell Biology (secondary appointment)

(continued)

CONGRESS ABSTRACTS:

Aho, S. Novel components involved in the differentiation of epidermal keratinocytes. Gordon Research Conference, Epithelial Differentiation and Keratinization. Tilton School, Tilton, NH, July 13-18, 2003.

Fujimoto, N., Terlizzi, J., Li, K., **Aho, S.** and Uitto, J. Assembly of elastic fibers: elastin and MFAP3 interactions determined by yeast two-hybrid genetic system. *J. Invest. Dermatol.* 122,A36, 2004. Abstract #215.

Terlizzi, J., Li, K., **Aho, S.**, Fujimoto, N., Oyama, N., Hamada, T., Chan, I., McGrath, JA. and Uitto, J. Characterization of ECM-1 protein interactions by yeast two-hybrid system. *J. Invest. Dermatol.* 122,A38, 2004. Abstract #225.

Aho, S. Plakin proteins are coordinately cleaved during apoptosis but preferentially through the action of different caspases. *J. Invest. Dermatol.* 122,A73, 2004. Abstract #436.

Kalinin, AE., Kalinin, AE., Aho, M., Uitto, J. and **Aho, S.** Breaking the connection: Caspase 6 cleaves periplakin releasing the intermediate filament binding tail region from the actin binding N-terminal domain. *J. Invest. Dermatol.* 122,A73, 2004. Abstract #437.

GINA ANG, MD

Resident (PGY-3), Department of Dermatology and Cutaneous Biology

PUBLICATIONS:

Ang G, Lee JB. "A Pigmented Verrucous Plaque on the Cheek." *Arch Dermatol*. Accepted for publication.

Ang G. "History of Skin Transplantation." *Clinics in Dermatology*. Accepted for publication.

Ang G, Werth V. "Combination Antimalarials in the Treatment of Cutaneous Dermatomyositis: A Restrospective Study." Submitted.

PRESENTATIONS:

Ang G. "Dermatitis Herpetiformis." Philadelphia Dermatological Society, Philadelphia, 10/17/03.

Ang G, Hyde PM, Lee JB. "Congenital Linear Atrophoderma." International Society of Dermatopathology. Washington D.C., 2/4/04

Ang G, Werth V. "Combination Antimalarials in the Treatment of Cutaneous Dermatomyositis: A Restrospective Study." Philadelphia Dermatological Society: Johnson-Beerman Award, Philadelphia. 4/7/04.

AWARDS:

Johnson-Beerman Award, for clinical research. 4/7/04. Ang G, Werth V. "Combination Antimalarials in the Treatment of Cutaneous Dermatomyositis: A Restrospective Study."

MON-LI CHU, PH.D.

Professor and Vice-Chair of Research, Department of Dermatology and Cutaneous Biology

PUBLICATIONS:

Pan, T.-C., Zhang, R.-Z., Sudano, D.G., Marie, S.K., Bönnemann, C.G. and Chu, M.-L. (2003) New molecular mechanism for Ullrich congenital muscular dystrophy: A heterozygous in-frame deletion in the COL6A1 gene causes a severe phenotype. *Am. J. Hum. Genet.* 73:355-369.

Tsuda, T., Gao, E., Evangelisti, L., Markova, D., Ma, X.L., and Chu, M.-L. (2003) Post-ischemic myocardial fibrosis occurs independent of hemodynamic changes. *Cardiovas. Res.* 59:926-993.

Tsuda, T., Markova, D., Wang, H., Evangelisti, L., Pan, T.-C., and Chu, M.-L. (2004) The zinc finger protein Zac1 is expressed in chondrogenic sites of the mouse. *Dev. Dyn.* 229:340-348.

Chu, M.-L., and Tsuda, T. (2004) Fibulins in development and heritable disease. *Birth Defects Res Part C Embryo Today.* 72:25-36.

Kassner, A., Tiedemann, K., Notbohm, H., Ludwig, T., Morgelin, M., Reinhardt, D.P., Chu, M.-L., Bruckner, P., Grässel, S. (2004) Molecular structure and interaction of recombinant human type XVI collagen. *J Mol Biol* 339:835-853.

Lampe, A.K., Dunn, D.M., von Niederhausern, A.C., Hamil, C., Aoyagi, A., Laval, S.H., Chu, M.-L., Swoboda, K., Muntoni, F., Bönnemann, C.G., Flanigan, K.M., Bushby, K.M.D.; Weiss, R.B. Automated genomic sequence analysis of the three collagen VI genes: Applications to Ullrich congenital muscular dystrophy and Bethlem myopathy. Submitted.

PARTICIPATION IN SCIENTIFIC MEETINGS:

43rd Annual Meeting of the American Society for Cell Biology. December 13-17, 2003, San Francisco, CA.

Extracellular matrix: assembly, functions and role in disease, April 25-27, 2004. Max Planck Institute of Biochemistry, Martinsried near Munich, Germany.

DEPARTMENTAL COMMITTEES

Coordinator of "Science Lecture Series" and "Research in Progress"

MON-LI CHU, PH.D.

*Professor and Vice-Chair of Research, Department of Dermatology and Cutaneous Biology
(continued)*

PROFESSIONAL ORGANIZATIONS

American Society for Biochemistry and Molecular Biology

American Association for the Advancement of Science

International Society for Matrix Biology

American Society for Matrix Biology

Alexander von Humboldt Association of America

American Society for Cell Biology

MARLENE ROCHA DE QUADROS, PH. D.

Post-Doctoral Fellow, Department of Dermatology and Cutaneous Biology

PUBLICATIONS:

Quadros, M.R.D., Peruzzi, F., Kari, C., Rodeck, U. “Complex regulation of activation in normal and malignant keratinocytes. *Cancer Research* , **64:3934-3939, 2004.**

Belloni, G., Ferrero, D., Carbone, A., Quadros M.R., Gramigni, C., Prati, A., Davidson, R., Mioli, P., Dughera, L., Emmanuelli, G., Rodeck, U. “ Inhibition of cell survival and invasive potential of colorectal carcinoma cells by tyrosine kinase inhibitor STI571. **Cancer Biology and Therapy** (In Press).

Landers, M.C., Dugger, N., Quadros, M., Hoffman, P.M., Gaulton, G.N. “Neuropathogenic murine leukemia virus TR1.3 induces selective syncytia formation of brain capillar endothelium. *Virology*, **321 (1): 57-64, 2004.**

POSTER PRESENTATIONS:

Quadros, M.R., Peruzzi, F., Kari C., Rodeck, U. “ Complex regulation of STAT3 activation in normal and malignant keratinocytes”. Molecular Targets and Cancer Therapeutics, Boston, Massachussets, November 17-21, 2003.

Ren Q., Kari C., Quadros, M.R., Dicker A. “Extracellular matrix composition modulates radiation sensitivity induced by EGFR blockade in transformed keratinocytes”. Molecular Targets and Cancer Therapeutics, Boston, Massachussets, November 17-21, 2003.

NORIIHIRO FUJIMOTO, MD, PHD

Post-Doctoral Research Fellow, Department of Dermatology and Cutaneous Biology

PUBLICATIONS:

Fujimoto N, Tajima S. Advanced glycation end product (AGE)-immunoreactive materials in chronic prurigo patients receiving a long-standing haemodialysis. *Br J Dermatol.* 2004, 150; 757-60.

Fujimoto N, Akagi A, Tajima S. Expression of 67-kDa elastin receptor in annular elastolytic giant cell granuloma: elastin peptides induce monocyte-derived dendritic cells or macrophages to form granuloma in vitro. *Exp Dermatol.* 2004, 13; 179-84.

Mieno H, **Fujimoto N**, Tajima S. Eruptive vellus hair cyst in patients with chronic renal failure. *Dermatology.* 2004, 208; 67-9.

Miura Y, **Fujimoto N**, Komatsu T, Tajima S, Kawada A, Saito T, Fujii N. Immunohistochemical study of chronological and photo-induced aging skins using the antibody raised against D-aspartyl residue-containing peptide. *J Cutan Pathol.* 2004, 31; 51-6.

Fujimoto N, Tajima S. Extensive fixed drug eruption due to the Japanese herbal drug "kakkon-to". *Br J Dermatol.* 2003, 149; 1303-5.

N Fujimoto, J Terlizzi, K Li, S Aho, and J Uitto. Assembly of elastic fibers: elastin and MFAP3 interactions determined by yeast two-hybrid genetic system. *J Invest Dermatol.* 2004, 122; A36

J Terlizzi, K Li, S Aho, **N Fujimoto**, N Oyama, T Hamada, I Chan, JA Mc Grath and J Uitto
Characterization of ECM-1 protein interactions by yeast two-hybrid system. *J Invest Dermatol.* 2004, 122; A38

PARTICIPATION IN SCIENTIFIC MEETINGS AND PRESENTATIONS:

Assembly of elastic fibers: elastin and MFAP3 interactions determined by yeast two-hybrid genetic system

N Fujimoto, J Terlizzi, K Li, S Aho, and J Uitto

The 65th Annual Meeting of the SID, Providence, April 28- May 1, 2004

Characterization of ECM-1 protein interactions by yeast two-hybrid system

J Terlizzi, K Li, S Aho, **N Fujimoto**, N Oyama, T Hamada, I Chan, JA Mc Grath and J Uitto

The 65th Annual Meeting of the SID, Providence, April 28- May 1, 2004

PROFESSIONAL ORGANIZATIONS

The Japanese Society for Investigative Dermatology
Japanese Dermatological Association

REZA F. GHOHESTANI, MD, PH.D.

Research Assistant Professor, Department of Dermatology and Cutaneous Biology

PUBLICATIONS:

Metz BJ, Ruggeri SY, Hsu S, Reed JA, Ghohestani AS, Uitto J, **Ghohestani RF**.
Linear IgA dermatosis with IgA and IgG autoantibodies to the 180 kDa bullous pemphigoid antigen (BP180): evidence for a distinct subtype.
Int J Dermatol. 2004;43(6):443-6.

Hisamatsu Y, Nishiyama T, Amano S, Matsui C, **Ghohestani R**, Hashimoto T. Usefulness of immunoblotting using purified laminin 5 in the diagnosis of anti-laminin 5 cicatricial pemphigoid. J Dermatol Sci. 2003;33(2):113-9.

Ghohestani RF, Rotunda SL, Hudson B, Gaughan WJ, Farber JL, Webster G, Uitto J.
Crescentic glomerulonephritis and subepidermal blisters with autoantibodies to alpha5 and alpha6 chains of type IV collagen.
Lab Invest. 2003;83(5):605-11.

PRESENTATIONS:

Invited speaker: RF Ghohestani. Role of laminin-5 in cell-matrix adhesion. University of Southern California, July 2003

Invited speaker: RF Ghohestani. What's new in immunodermatology. The International Geographic Congress, Shiraz, Nov. 2003.

Invited speaker: RF Ghohestani. Development of a novel mouse model for pemphigus vulgaris by DNA immunization. The College of Physicians of Philadelphia, Philadelphia, April 2004.

Invited faculty: RF Ghohestani. New autoimmune skin syndromes. 62rd Annual Meeting of the American Academy of Dermatology, Washington DC, Feb. 2004.

Oral presentation: RF Ghohestani, M. Barria, AS Ghahestani, J Uitto. Development of a mouse model for pemphigus vulgaris, a life threatening skin disease. 62rd Annual Meeting of the American Academy of Dermatology, Washington DC, Feb. 2004.

Poster presentation: RF Ghohestani, M. Barria, G. Webster, A. Claudy, J. Uitto. The a5 and a6 chains of type IV collagen are the target of IgG and IgA autoantibodies in a novel autoimmune disease characterized by crescentic glomerulonephritis and sub-epidermal blisters. 62rd Annual Meeting of the American Academy of Dermatology, Washington DC, Feb. 2004.

Oral presentation: AS Ghahestani, N Nikbacht, L Fry, T Reunala, J Uitto, RF Ghohestani.
Circulating IgA autoantibodies to epidermal transglutaminase 3 can not distinguish dermatitis herpetiformis from celiac disease. The Society for Investigative Dermatology, Rhode Island, May 2004.

REZA F. GHOHESTANI, MD, PH.D.

*Research Assistant Professor, Department of Dermatology and Cutaneous Biology
(continued)*

Oral presentation: P Nguyen, H Bazzi, A Klujic, JH Vargas, M Dmochowski, M Barria, RF Ghohestani, LS Chan, J Uitto, LA Diaz, AM Christiano, MG Mahoney and VT Nguyen. Identification of novel population of pathogenic autoantibodies against desmoglein 4 in different major variants of pemphigus. The Society for Investigative Dermatology, Rhode Island, May 2004.

HONORS/SPECIAL RECOGNITIONS:

Stelwagon Award in Basic Sciences, The College of Physicians of Philadelphia, April 2004

Junior Faculty Award. The American Association of Immunologists, 2003

Editor, European Journal of Dermatology

Member, NIDCR(NIH) Review Panel

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS:

American Association of Immunologists, FASEB, French Society of Dermatology, American College of Surgeons, American Medical Association, Thomas Bond Society (Pennsylvania Hospital), PA Medical Society, The Society for Investigative Dermatology, European Society for Dermatological Research.

DAVID J. HERRICK, PH.D.

Research Associate Professor, Department of Dermatology and Cutaneous Biology

PUBLICATIONS:

Louneva, N., Saitta, B., Herrick, D. J., Jimenez, S. A.: Transcriptional inhibition of type I collagen gene expression in scleroderma fibroblasts by the antineoplastic drug ecteinascidin 743. *J. Biol. Chem.* 278: 40400-40407, 2003.

Liao, B., Meera, P., Charles, S., Hu, Y., Herrick, D. J., Brewer, G. Targeted knockdown of the RNA-binding protein CRD-BP promotes cell proliferation via an IGF-II-dependent pathway. Submitted for publication.

Herrick, D.J., Wang, D., Uitto, J.: Identification and functional analysis of RNA-binding proteins which interact with the 3'-UTRs of the α_1 (I) and α_1 (III) procollagen mRNAs. (Presented at the Eukaryotic mRNA Processing meeting, Cold Spring Harbor Laboratories, 2003.)

Castorino, J.J., Brewer, G.A., Herrick, D.J: *c-myc* coding region determinant binding proteins: effects on mRNA localization, stability, and translation. (Presented at the Eukaryotic mRNA Processing meeting, Cold Spring Harbor Laboratories, 2003.)

Herrick, D.J., Wang, D., Uitto, J.: Functional analysis of the α_1 (I) procollagen 5'-stem loop and 3'-UTR: Role of the α CP, AUF1 and PABP RNA-binding proteins. (To be presented at the Translational Control Meeting, Cold Spring Harbor Laboratories, 2004.)

Castorino, J.J., Brewer, G.A., Herrick, D.J: Functional dissection of the *c-myc* coding region determinant. (To be presented at the Translational Control Meeting, Cold Spring Harbor Laboratories, 2004.)

TATYANA R. HUMPHREYS, M.D.

*Clinical Associate Professor, Department of Dermatology and Cutaneous Biology
Chief of Cutaneous Surgery, Jefferson Dermatology Associates*

RESEARCH PUBLICATIONS, PEER-REVIEWED:

Covello S, **Humphreys T**, Lee J. A case of extraskelatal osteosarcoma with metastasis to the skin. J Am Acad Dermatol 2003;49:124-7.

Linder J and **Humphreys TR**. Surgical pearl: Immobilization of the helical rim for postauricular procedures. J Am Acad Dermatol 2004; 50:98.

Humphreys TR, Finkelstein D, Lee JB. Superficial leiomyosarcoma treated with Mohs micrographic surgery. Dermatol Surg 2004; 30 (1):108-112.

Wildemore J, Lee JB, **Humphreys TR**. Mohs Micrographic Surgery and Malignant Eccrine Neoplasms . Accepted for publication, Dermatologic Surgery 2004.

EDITORIALS, REVIEWS, AND BOOK CHAPTERS:

Humphreys TR. Laser hair removal in pigmented skin. Skin Med 2004; in press.

Humphreys TR. Skin Cancer. In Conn's Current Therapy 2004. WB Saunders Co, Elsevier Inc, Philadelphia PA. pp827-30.

Alternative Media

Humphreys TR. Ear lobe problems. In Women Doctors Guide to Health and Healing. Oxmoor House 2003, Birmingham , AL. pp 116, 499.

Humphreys TR. "Face Creams". Action News, Channel 6, 2/25/04.

Humphreys TR. "Better than Botox?", Action News, Channel 6, 5/5/04

Humphreys TR. " Skin cancer recognition", Channel 10 Live, 5/18/04

Humphreys TR. Skin Cancer screening, Channel 10 News, 5/19/04

Humphreys TR. Sunfree tanning : "Orange you glad you're tan". US News and World Report, 6/21/04: page D11

TATYANA R. HUMPHREYS, M.D.

*Clinical Associate Professor, Department of Dermatology and Cutaneous Biology
Chief of Cutaneous Surgery, Jefferson Dermatology Associates
(continued)*

Lectures by Invitation

October 2003 ." Mohs micrographic surgery and malignant eccrine tumors". American College of Mohs Micrographic Surgery and Cutaneous Oncology Meeting, New Orleans.

October 2003 " Challenges in Reconstruction: masters panel". American College of Mohs Micrographic Surgery and Cutaneous Oncology Meeting, New Orleans.

October 2003 " Mohs micrographic surgery: unusual applications". Philadelphia Dermatologic Society Meeting, Philadelphia.

April 2004." Skin Cancer". Foundations of Clinical Medicine Course. Jefferson Medical College, Philadelphia.

June 2004 "Restylane and other new facial fillers", Pennsylvania Academy of Otorhinolaryngology, Head and Neck Surgery, Philadelphia PA.

Organizing Roles in Scientific Meetings

June 2005-Current Co-Chair, Laser symposium of the World Congress of Aesthetic Dermatology, Paris, France

MEMBERSHIP IN PROFESSIONAL AND SCIENTIFIC SOCIETIES:

National Societies:

Fellow, American Academy of Dermatology; 1994 to present
Fellow, American Society of Dermatologic Surgery; 1995-present
Fellow, American College of Mohs Micrographic Surgery and Cutaneous Oncology; 1995-present
Member, Society for Investigative Dermatology; 1995 to present

Local Societies:

Philadelphia Dermatologic Society, 1997-present
Philadelphia Facial Plastics Society, 1998-present

Editorial Positions

2000 to present	Editorial board, Cosmetic Dermatology
2003 to present	Contributing editor, Dermatologic Surgery
2004 to present	Editorial board,Journal of the American Academy of Dermatology
2004 to present	Editorial board, Skin Med
2004	Guest editor, ' Lasers in Dermatology' in Clinics in Dermatology

OLGA IGUCHEVA, PH.D.

Instructor, Department of Dermatology and Cutaneous Biology

PUBLICATIONS:

Pierce E.A., Liu Q., Igoucheva O., Omarrudin R., Ma H.C., Diamond S. and Yoon K. Oligonucleotide-directed single base DNA alterations in mouse embryonic stem cells. *Gene Therapy*, 10, 24-33, 2003.

Igoucheva, O., Alexeev, V., Pryce, M. and Yoon, K. Transcription affects formation and processing of intermediates in oligonucleotide-mediated gene alteration. *Nucleic Acids Research*, 31, 2659-2670, 2003.

Yoon, K., Alexeev, V. and Igoucheva, O. Biased gene repair needs unbiased review. *Correspondence in Nature Review Genetics*, 4, 279-689, 2003.

Igoucheva, O. and Yoon, K. Gene targeting by oligonucleotides in keratinocytes. *Epidermal Cell Protocols*, Methods and Protocols, ed. Turksen, K. Humana Press, 289, 287-302, 2004.

Igoucheva, O., Alexeev, V. and Yoon, K. Site-directed mutagenesis and targeted gene correction. *Current Molecular Medicine*, 4(5), 445-463, 2004.

Igoucheva, O., Alexeev, V. and Yoon, K. Mechanism of gene repair open for discussion. *Gene Therapy* (submitted) 2004.

Igoucheva, O., Alexeev, V. and Yoon, K. Cellular response to exogenous DNA and its implication in gene targeting. *Proc. Natl. Acad. Sci. USA* (submitted) 2004.

PARTICIPATION IN SCIENTIFIC/CLINICAL MEETINGS AND PRESENTATIONS:

February, 2004 Pachyonychia Congenita Project Retreat, Park City, UT, USA

Invited speaker: "Oligonucleotide-mediated gene repair: Potential applications to human skin disorders".

QIUJIE JIANG, PhD

Post-Doctoral Research Fellow, Department of Dermatology and Cutaneous Biology

PUBLICATIONS:

Q Jiang, Y Matsuzaki, K Li and J Uitto. Transcriptional regulation of ABCC6 gene expression: identification of novel cis-elements, role of Sp1, and cytokine modulation of the promoter activity. *The Journal of Investigative Dermatology*, vol 122(3): A87, 2004

Transcriptional regulation of ABCC6 gene expression: identification of novel cis-elements, role of Sp1, and cytokine modulation of the promoter activity. Q Jiang, Y Matsuzaki, K Li and J Uitto. *The 65th Annual Meeting of the Society for Investigative Dermatology*. Providence, Rhode Island. April 28-May 1, 2004

YOUNG C. KAUH, M.D.

Professor and Senior Vice-Chairman, Department of Dermatology and Cutaneous Biology

PUBLICATIONS:

Cash, S. & Kauh, Y.: Zosteriform sarcoidosis.. Submitted for publication. J Am Acad Dermatol.

PARTICIPATION IN SCIENTIFIC/CLINICAL MEETINGS AND PRESENTATIONS:

“Zosteriform sarcoidosis” at Gross & Microscopic Dermatology Symposium in 62nd Annual Convention of American Dermatological Meeting, February 7, 2004

“Rhus contact dermatitis and its management” at Annual Scientific Meeting of Yonsei University Medical School Alumni Association, Washington DC, August 6, 2003

“En coup de sabre” at Philadelphia Dermatological Society Meeting, October 17, 2003

“Hansen’s disease” at Philadelphia Dermatological Society Meeting, October 17, 2003

“Eccrine hydrocystoma” at Philadelphia Dermatological Society Meeting, October 17, 2003

“Parapsoriasis lichenoides” at Philadelphia Dermatological Society Meeting, October 17, 2003

“Zosteriform sarcoidosis” at Philadelphia Dermatological Society Meeting, October 17, 2003

HONORS/SPECIAL RECOGNITIONS:

Second Young C Kauh Clinical Dermatologic Lectureship by Dr. Samuel Moschella, Professor of Dermatology, Harvard Medical School, November 19, 2003

DEPARTMENTAL COMMITTEES:

Faculty Appointment and Promotions committee

UNIVERSITY COMMITTEES:

Member of Professorial Global Advisory Board

PROFESSIONAL ORGANIZATIONS:

Fellow of American Academy Dermatology

Member of Philadelphia Dermatological Society

JOHN F. KLEMENT, PHD

Research Assistant Professor, Department of Dermatology and Cutaneous Biology

PUBLICATIONS:

Naso M, Uitto J, Klement JF: Transcriptional control of the mouse Col7a1 gene in keratinocytes: basal and transforming growth factor-beta regulated expression. J Invest Dermatol 2003, 121:1469-1478

Aho S, Li K, Ryoo Y, McGee C, Ishida-Yamamoto A, Uitto J, Klement JF: Periplakin gene targeting reveals a constituent of the cornified cell envelope dispensable for normal mouse development. Mol Cell Biol 2004, 24:6410-6418

Colombo M, Brittingham RJ, Klement JF, Majsterek I, Birk DE, Uitto J, Fertala A: Procollagen VII self-assembly depends on site-specific interactions and is promoted by cleavage of the NC2 domain with procollagen C-proteinase. Biochemistry 2003, 42:11434-11442

Meng X, Klement JF, Leperi DA, Birk DE, Sasaki T, Timpl R, Uitto J, Pulkkinen L: Targeted inactivation of murine laminin gamma2-chain gene recapitulates human junctional epidermolysis bullosa. J Invest Dermatol 2003, 121:720-731

UNIVERSITY COMMITTEES:

Institutional Animal Care and Use Committee

PROFESSIONAL ORGANIZATIONS:

American Association for Microbiology (ASM)

American Association for the Advancement of Science (AAAS)

JASON B. LEE, MD

Clinical Assistant Professor, Department of Dermatology and Cutaneous Biology

PUBLICATIONS:

Ambro C, Lee **JB**. Multiple basal-cell carcinomas associated with a port-wine stain. Submitted to *Cutis* 8/04

Divers AK, Correale D, Lee **JB**. Keratoacanthoma centrifugum marginatum: a diagnostic and therapeutic challenge. *Cutis* 2004; Vol 73: 257-62.

Cenci JA, Covello SP, Lee **JB**. A painless slowly enlarging tumor of the leg. *J Am Acad Dermatol* 2004; Vol 50: 159-61.

Humphreys TR, Finkelstein DH, Lee **JB**. Superficial leiomyosarcoma treated with Mohs micrographic Surgery. *Dermatologic Surgery* 2004; vol 30: 108-112.

Hwang LY, Richard G, Lee **JB**, Richard G, Uitto J, Hsu S. Type 1 segmental manifestation of Hailey-Hailey disease. *J Am Acad Dermatol* 2003; Vol 49: 712-714.

Santoro AF, Rezac MA, Lee **JB**. Current trend in ivermectin usage for scabies. *J Drugs Dermatol* 2003; Vol 2:397-401.

Covello SP, Humphreys T, Lee **JB**. A case of extraskeletal osteosarcoma metastasis to the skin. *J Am Acad Dermatol* 2003; Vol 49: 124-127.

PARTICIPATION IN SCIENTIFIC/CLINICAL MEETING AND PRESENTATIONS:

International Society of Dermatopathology Meeting in Washington D.C. Free Communications. Congenital Linear Atrophoderma. Authors: Ang G, Lee **JB**. 2/04

The annual meeting of the American Academy of Dermatology 2004 in Washington D.C. Poster Session: Multiple basal-cell carcinomas associated with a port-wine stain. Authors: Ambro C, Lee **JB**.

UNIVERSITY COMMITTEES:

JUP Clinical care committee

JUP Risk management committee

JASON B. LEE, MD

*Clinical Assistant Professor, Department of Dermatology and Cutaneous Biology
(continued)*

PROFESSIONAL ORGANIZATIONS:

Alpha Omega Alpha (ΑΩΑ) Honor Medical Society

American Academy of Dermatology

American Society of Dermatopathology

International Society of Dermatopathology

Philadelphia Dermatological Society (11/02)

Pennsylvania Academy of Dermatology (1/03)

Pennsylvania Regional Dermatopathology Society (10/02)

Korean Dermatology Society (3/03)

Dermatology Foundation (7/03)

American Academy of Dermatology: Computer and Informatics Task Force (2/04)

KEHUA LI, MD

Assistant Professor, Department of Dermatology and Cutaneous Biology

PUBLICATIONS:

Kaithamana S, Fan JL, Memar K, **Li K**, Uitto J, Seetharamaiah S, Prabhakar BS. Relevance of differential immunogenicity of human and mouse recombinant desmoglein-3 for the induction of acantholytic autoantibodies in mice. *Clin. Exp. Immunol.* 132:16-23, 2003

Aho S, **Li K**, Ryoo Y, McGee C, Ishida-Yamamoto A, Uitto J, Klement J. Periplakin gene targeting reveals a constituent of the cornified cell envelop dispensable for normal mouse development. *Molecular and Cellular Biology*, July 2004

Fujimoto N, Terlizzi J, **Li K**, Aho S, Uitto J. Assembly of elastic fibers: elastin and MFAP3 interactions determined by yeast two-hybrid genetic system. The 65th Annual Meeting of the Society for Investigative Dermatology. April 28 – May 1, 2004. *J. Invest. Dermatol.* 122:A36, 2004.

Terlizzi J, **Li K**, Aho S, Fujimoto N, Oyama N, Chan I, MaGrath JA, Uitto J. Characterization of ECM-1 protein interactions by yeast two-hybrid system. The 65th Annual Meeting of the Society for Investigative Dermatology. April 28 – May 1, 2004. *J. Invest. Dermatol.* 122:A38, 2004.

Jiang Q, Matsuzaki Y, **Li K**, Uitto J. Transcriptional regulation of ABCC6 gene expression: identification of novel *cis*-element, role of Sp1, and cytokine modulation of the promoter activity. The 65th Annual Meeting of the Society for Investigative Dermatology. April 28 – May 1, 2004. *J. Invest. Dermatol.* 122:A87, 2004

PARTICIPATION IN SCIENTIFIC/CLINICAL MEETINGS AND PRESENTATIONS:

The 65th Annual Meeting of the Society for Investigative Dermatology. Washington, DC, April 28 – May 1, 2004

The IX International Congress of Dermatology, Beijing, China, May 18 -22, 2004.

HONORS/SPECIAL RECOGNITIONS:

Adjunct Professor of Dermatology, China Medical University, Shenyang, China.

UNIVERSITY COMMITTEES:

IRB July 1 – June 30, 2004

KEHUA LI, MD

*Assistant Professor, Department of Dermatology and Cutaneous Biology
(continued)*

PROFESSIONAL ORGANIZATIONS:

1. Fellow of the American Academy of Dermatology.
2. Associate of the American Academy of Dermatopathology.
3. The Society for Investigative Dermatology.
4. American Society of Cosmetic Dermatology and Aesthetic Surgery.
5. American Medical Association.

MY G. MAHONEY, PH.D.

Associate Professor, Department of Dermatology and Cutaneous Biology

PUBLICATIONS:

Brennan, D, Y Hu, A Kljuic, YW Choi, S Joubeh, JK Wahl, A Fertala L Pulkkinen J Uitto, AM Christiano, AA Panteleyev, and MG Mahoney. Differential structural properties and expression patterns suggest functional significance for multiple mouse desmoglein 1 isoforms. (Editorial invited submission to Differentiation).

Mishra SK, AH Talukder, AE Gururaj, Z Yang, RR Singh, MG Mahoney, C Franci, RK Vadlamudi, R Kumar. Upstream determinants of estrogen receptor-alpha regulation of metastatic tumor antigen 3 pathway. *J Biol Chem.* 2004 30;279(31):32709-15.

Kljuic A, H Bazzi, JP Sundberg, A Martinez-Mir, R O'Shaughnessy, MG Mahoney, M Levy, X Montagutelli, W Ahmad, VM Aita, D Gordon, J Uitto, D Whiting, J Ott, S Fischer, TC Gilliam, CA Jahoda, RJ Morris, AA Panteleyev, VT Nguyen, AM Christiano. (2003) Desmoglein 4 in hair follicle differentiation and epidermal adhesion: evidence from inherited hypotrichosis and acquired pemphigus vulgaris. *Cell.* 113(2):249-60.

Pulkkinen L, YW Choi, A Kljuic, J Uitto, MG Mahoney. (2003) Novel member of the mouse desmoglein gene family: Dsg1-beta. *Exp Dermatol.* 12(1):11-9.

GRANT SUPPORT:

“Molecular Characterization of Squamous Cell Carcinomas Derived from Recessive Dystrophic Epidermolysis Bullosa”

Principal Investigator: M.G. Mahoney, Ph.D.

Agency: Department of Defense, United States Army, 7/1/2002 – 6/30/2006

Direct cost: \$152,609/year

Elucidate the role of the metastasis associated protein (MTA1) in epithelial cell survival, migration, and invasion.

“Desmoglein 2 Function in Cell Adhesion and Pemphigus”

Principal Investigator: M.G. Mahoney, Ph.D.

Agency: National Institutes of Health, R03 Research Grant, 7/1/99 – 12/31/04

Direct Cost: \$50,000/year

Elucidate the role of the desmosomal adhesion molecule, desmoglein 2, in cellular proliferation, differentiation, and adhesion of epithelial tissues.

PARTICIPATION IN SCIENTIFIC/CLINICAL MEETINGS AND PRESENTATIONS:

Christiano, A and MG Mahoney. The growing Family of Desmosomal Cadherins: And Then There Were Four. *Gordon Conference: Epithelial Differentiation and Keratinization*, Tilton, NH, July 2003.

Brennan, D, Y Hu, A Kljuic, JK Wahl, J Uitto, AA Panteleyev, AM Christiano, and MG Mahoney. "Complexity of Dsg1- α , - β , and - γ expression in diverse mouse tissues and during hair follicle formation." *Society for Investigative Dermatology 2004*, Providence, RI. May 2004.

Nguyen, P, H Bazzi, A Kljuic, JH Vargas, M Dmochowski, M Barria, RF Ghohestani, LS Chan, J Uitto, LA Diaz, AM Christiano, MG Mahoney, and CT Nguyen. "Identification of a novel population of pathogenic autoantibodies against desmoglein 4 in different major variants of pemphigus." *Society for Investigative Dermatology 2004*, Providence, RI. May 2004.

Bazzi, H, A Kljuic, K Djabali, V Nguyen, Y Hu, D Brennan, MG Mahoney, and AM Christiano. "Desmoglein 4 is expressed in diverse tissue types and is localized to the desmosome." *Society for Investigative Dermatology 2004*, Providence, RI. May 2004.

HONORS/SPECIAL RECOGNITIONS:

Review Panel: Reviewer, NIAMS-SDRC, National Institutes of Health, 2003

Scientific Review: Journal Clinical Investigation and Journal of Investigative Dermatology

PROFESSIONAL ORGANIZATIONS:

Society for Investigative Dermatology
The American Society for Cell Biology

ALAIN MAUVIEL, PHD

Adjunct Associate Professor, Department of Dermatology and Cutaneous Biology

Main affiliation:

INSERM, Paris, France; Title: 1st class Research Director

EDITORIAL ACTIVITIES

Associate Editor: The Journal of Investigative Dermatology

Editorial Board Member: Experimental Dermatology
The Journal of Dermatological Science

Manuscript Reviews for:

American Journal of Pathology	Archives of Dermatological Research
Arteriosclerosis, Thrombosis, and Vasc. Biology	Biochemistry US
Biochimica Biophysica Acta	Biochem Biophys Res Commun
British Journal of Dermatology	British Journal of Cancer
British Journal of Pharmacology	Cancer Research
Circulation Research	Current Genomics
EMBO Reports	Experimental Cell Research
FASEB Journal	Genes, Chromosomes and Cancer
Int. Journal of Biochemistry and Cell Biology	International Journal of Cancer
Journal of Molecular Biology	Laboratory Investigation
Médecine/Sciences	Matrix Biology
Nature Genetics	The Journal of Biological Chemistry
The Journal of Cell Science	The Journal of Cellular Physiology
The Journal of Clinical Investigation	The Journal of Immunology
The Journal of International Dermatology	JNCI
Trends in Molecular Medicine	

HONORS:

Chairman, session “Vascular Biology“, Annual Meeting of the European Society for Dermatological Research, Vienne, Autriche, Septembre 2004

Co-chairman, Cellular signaling session, VIIIth International Scleroderma Workshop. Cambridge, U.K., 2004

Contrat d’Interface INSERM-AP-HP, 2003

Chairman, session “Fibroblasts – Effectors and Regulators of Fibrosis“, Scleroderma Spectrum Disorders Post-graduate Course 2003, Royal Free Hospital, London UK, Février 2003

“Ad Hoc“ Reviewer, “Gene Expression and Cellular Signaling“ abstracts, International Investigative Dermatology Meeting, Miami, FL, 2003

“Ad Hoc“ Reviewer d’un “Program Project“ pour la British Heart Foundation, 2003

“Ad Hoc“ Grant Reviewer for the Binational Science Foundation, USA-Israel, 2004

“Ad Hoc“ Reviewer, “Cellular Signalling“ abstracts, Annual Meeting of the European Society for Dermatological Research, Vienna, Austria, 2004

ALAIN MAUVIEL, PHD

*Adjunct Associate Professor, Department of Dermatology and Cutaneous Biology
(continued)*

PEER-REVIEWED PUBLICATIONS:

Brellier, F., Marionnet, C., Chevalier-Lagente, O., Toftgards, R., Mauviel, A., Sarasin, A., and Magnaldo, T. Ultraviolet irradiation regulates *PATCHED* gene transcription in human epidermal keratinocytes through an AP-1-dependent process. *Cancer Res.*, 2004, 64:2699-2704

Xavier, S., Piek, E., Fuji, M., Javelaud, D., Mauviel, A., Samuni, A., Flanders, K.C., Reiss, M., Yarkoni, S., Mitchell, J.B., Roberts, A.B., and Russo, A. Amelioration of Radiation-Induced Fibrosis: Down regulation of TGF- β Signaling by halofuginone. *J. Biol. Chem.*, 2004, 279:15167-15176

Verrecchia, F., Tacheau, C., Wagner, E.F., and Mauviel, A. A Central Role for Jun-N-Terminal Kinase Activity in Mediating the Antagonistic Activity of Pro-inflammatory Cytokines Against Transforming Growth Factor- β -Induced Smad3/4 Signaling. *J. Biol. Chem.*, 2003, 278:1585-1593

Higashi, K., Inagaki, Y., Suzuki, N., Mitsui, S., Mauviel, A., Kaneko, H., and Nakatsuka, I. Y-box binding protein YB-1 mediates transcriptional repression of human $\alpha 2(I)$ collagen gene expression by interferon- γ . *J. Biol. Chem.*, 2003, 278:5156-5162

Javelaud, D., Laboureau, J., Gabison, E., Verrecchia, F., and Mauviel, A. Disruption of Basal Jun-N-Terminal Kinase (JNK) Activity Differentially Affects Key Fibroblasts Functions Important for Wound Healing. *J. Biol. Chem.* 2003, 278:24624-24628

Gabison, E., Chastang, P., Menashi, S., Oster, M., Mauviel, A., and Hoang-Xuan, T. Late Corneal Perforation Following Photorefractive Keratectomy Associated with Topical Diclofenac : Involvement of Matrix Metalloproteinases. *Ophthalmology*, 2003, 110:1626-1631

Wendling, J., Marchand, A., Mauviel, A., and Verrecchia, F. 5-fluoro-uracyl antagonizes TGF- β /Smad signaling and transcriptionally represses *COL1A2* gene expression. Implication for the treatment of fibrotic disorders. *Mol. Pharmacol.*, 2003, 64:707-713

Laurent, M., Martinerie, C., Thibout, H., Verrecchia, F., Hoffman M,P, Le Bouc, Y., Mauviel, A., and Kleinman, H. NOV H induces the expression of mmp3 gene in glioblastoma cells and enhances their migration. *FASEB J.* 2003, 17:1919-1921

Pendaries, V., Verrecchia, F., Michel, S., and Mauviel, A. Retinoic Acid Receptors Interfere with the TGF- β /Smad Signaling Pathway in a Ligand-Specific Manner. *Oncogene*, 22:8212-8220
Schiller, M., Verrecchia, F. and Mauviel, A. Cyclic Adenosine 3',5'-Monophosphate-Elevating Agents Inhibit Transforming Growth Factor- β -Induced SMAD3/4-Dependent Transcription Via a Protein Kinase A-Dependent Mechanism. *Oncogene*, 22:8881-8890

ALAIN MAUVIEL, PHD

*Adjunct Associate Professor, Department of Dermatology and Cutaneous Biology
(continued)*

Marionnet, C., Dumas, A., Verrecchia, F., Mollier, K., Compan, D., Bernard, B., Bernerd, F., Lahfa, M., Leclaire, J., Medaisko, C., Mehul, B., Seit , S., Mauviel, A., and Dubertret, L. Microarray-based analysis of stress-induced genes in human epidermis *in vivo*. **J. Invest. Dermatol.**, 121:1447-1458

REVIEW ARTICLES AND BOOK CHAPTERS:

Javelaud, D. et Mauviel, A. Transforming Growth Factor- β s: signalisation et r les physio-pathologiques. **Pathol. Biol.**, 2004, 52:50-54

Verrecchia, F., and Mauviel, A. Control of type I collagen gene expression by TGF- β , interferences with pro-inflammatory cytokines. **Cell. Signal.**, 2004, 16:873-880

Javelaud, D. and Mauviel, A. Molecule in Focus: Mammalian TGF- β s, Mammalian Transforming growth factor- β s: Smad signaling and physio-pathological roles **Int. J. Biochem. Cell Biol.** 2004, 36:1161-1165

Schiller, M., Javelaud, D., and Mauviel, A. TGF- β , a masterswitch for tissue remodeling : signaling via the Smad pathway. **J. Dermatol. Sci.**, 2004, 35:83-92

Javelaud, D., Verrecchia, F. et Mauviel, A. TGF- β et contr le des fonctions fibroblastiques impliqu es dans la r paration tissulaire. *Cours de Biologie de la Peau*. (C. dezutter-dambuyant Ed.), INSERM editions scientifiques, 2004, pp.137-149

Mauviel, A. Transforming growth factor- β : the Smad pathway and its implications in fibrosis. In *Methods in Molecular Medicine*. Varga, Phan and Brenner Eds, Humana Press, sous presse

Gabison, E., Hoang-Xuang, T., Mauviel, A., and Menashi, S. M talloprot inases et angiog nese. **Pathol. Biol.** 2003, 51:161-166

INVITED PRESENTATIONS:

Cytokines to Antagonize TGF-beta/Smad Signaling: Implications for Wound Healing.
Serono Pharmaceutical Research Institute, Gen ve, Suisse, F vrier 2004

Interf rences Transcriptionnelles de la voie Jun N-terminal Kinase/AP-1 avec la machinerie Smad en aval du TGF-beta.

Institut Paoli-Calmettes, IFR 57 "Institut de Canc rologie et d'Immunologie de Marseille, Marseille, Avril 2004

Interf rences Transcriptionnelles de la Voie AP-1 avec la Machinerie Smad en Aval du TGF-beta. Implication pour le Remodelage de la Matrice Extracellulaire.

Institut Curie, Orsay, Mai 2004

ALAIN MAUVIEL, PHD

*Adjunct Associate Professor, Department of Dermatology and Cutaneous Biology
(continued)*

Transcriptional control of fibrillar collagen genes by TGF-beta and inflammatory cytokines
XIXth FECTS Meeting, Taormina, Italie, Juillet 2004

The Regulation of Fibroblast Functions by JNK
8th International Workshop On Scleroderma Research, Cambridge, U.K., Août, 2004

Antagonizing TGF- β Signaling: a Key Role for the JNK Pathway
Celgene Corp., San Diego, CA, Janvier 2003

AP-1 interference with the TGF- β /Smad Pathways: Implications for ECM remodeling
1/ Scleroderma Spectrum Disorders Post-graduate Course, Royal Free Hospital Londres, UK,
Février 2003 (invité par C. Black)
2/ LondonMatrix Group Monthly Meeting, UCL, Londres, Février 2003

TGF- β et matrice conjonctive
COBIP (Cours de Biologie de la Peau), CIRC, Lyon, Mars 2003

Smad signaling and fibrosis
Gordon Research Conference on Tissue Repair, Il Coccio, Barga, Italie, Juin 2003

Interactions transcriptionnelles entre le TGF-beta et les cytokines pro-inflammatoires: rôle de la
voie Jun N terminal kinase
Symposium "TGF-Beta: Voies de transduction et Rôle Physiologique", IFR 14, Jussieu, Paris,
Juin 2003

Antagonizing TGF- β /Smad Signaling: a Key Role for the c-Jun N-terminal Kinase Pathway
FASEB Summer Research Conference "The TGF- β Superfamily: Signaling and Development".
Tucson, AZ, Juillet 2003

Molecular mechanisms underlying AP-1 antagonistic activity against TGF- β /Smad signaling
Research Institute of Molecular Pathology (I.M.P.), Vienna, Autriche, Août 2003

JNK as a critical effector of TNF antagonism against TGF- β /Smad signaling. University
hospital, Aachen, Allemagne, Décembre 2003

MEMBERSHIPS TO SCIENTIFIC SOCIETIES:

Society for Investigative Dermatology
American Society for Biochemistry and Molecular Biology
European Society for Dermatologic Research
Wound Healing Society
French Society for Connective Tissue (Board Member)

JOSEPH L. PACE MD FRCP EDIN FRCP LOND FCPP FAAD KM

Adjunct Clinical Professor, Department of Dermatology and Cutaneous Biology

PUBLICATIONS:

Clinical significance of malignant Melanoma precursors in Cutaneous Melanoma Giuseppe Noto
Ed Avantgarde Publ pp 23-39 Dec 2002

Characteristics of superficial mycoses in the Maltese islands - co-author Int J Dermatol 2003, 42,
265-271

PARTICIPATION IN SCIENTIFIC/CLINICAL MEETINGS AND PRESENTATIONS:

Chair 4th Maltese Medical School Conference December 2003

Mediterranean Leishmaniasis Philadelphia College of Physicians Feb 2004

The Medical Heritage of a Maltese dermatologist-History Society Washington AAD Feb 2004

Adult acne AMED Congress Montpellier June 2004

Acne-the rise and fall of antibiotics First Libyan Derm Congress Benghazi June 2004

HONORS/SPECIAL RECOGNITIONS:

Knight of the Sovereign and Military Order of Malta, Rhodes, and Jerusalem

Board Member European Academy of Dermatology & Venereology

Board member, AMED Association of Mediterranean dermatologists

Editorial Board Member Journal of the European Academy of Dermatology & Venereology

President Maltese Dermatology Association

Adjunct Clinical Professor of Dermatology, Jefferson Medical College of Thomas Jefferson
University, Philadelphia

Senior Lecturer Dept. of Medicine (Dermatology), University of Malta Medical School

Examiner in Medicine (Final Year) & Dermatology (4th Year) Faculty of Medicine,
University of Malta

Chairman Dermatology/Rheumatology Research Group, Faculty of Medicine, University of Malta

Member Postgraduate Committee, Faculty of Medicine, University of Malta

Vice President Europe International Academy of Cosmetic Dermatology

President Rotary Club Malta

PROFESSIONAL ORGANIZATIONS:

Maltese Association of Dermatology and Venereology (President)

European Academy of Dermatology & Venereology (Secretary-General)

Mediterranean Association of Dermatology (Vice-President)

American Academy of Dermatology

International Academy of Cosmetic Dermatology (Vice President Europe)

International Society of Dermatology

LAWRENCE CHARLES PARISH, MD

Clinical Professor, Department of Dermatology and Cutaneous Biology

PUBLICATIONS:

Parish LC, Oumeish OY, Millikan LE, Kurban A. Dubai Derma 2003: Dubai World Dermatology and Laser Conference and Exhibition. May 11-13, 2003, Dubai, United Arab Emirates. SKINmed. 2003 Jul-Aug;2(4):256-7.

Wolf R, Parish LC. Who's the boss? Clin Dermatol. 2003 Jul-Aug;21(4):335-6.

Oumeish OY, Wolf R, Parish LC. Risks and precautions of chemical warfare agents. SKINmed. 2003 Jul-Aug;2(4):205.

Oumeish OY, Parish LC. Background, problems, and perspectives of management of common pediatric skin problems in developing countries. Clin Dermatol. 2003 Jul-Aug;21(4):254-9.

Witkowski JA, Parish LC. Antimicrobials in the treatment of acne and rosacea. SKINmed. 2003 Jul-Aug;2(4):202.

Parish LC, Witkowski JA. Does complementary medicine work? Dermatol Ther. 2003;16(2):85-6.

Parish LC, Parish JL. Cosmetic dermatology and Art Deco: lookin' good. SKINmed. 2003 Sep-Oct; 2(5): 270-1.

Parish LC. SKINmed achieves *Index Medicus* status. SKINmed. 2003 Nov-Dec; 2(6): 333-4.

Wolf R, Orion E, Parish LC. A scientific soap opera and winter itch. SKINmed. 2004 Jan-Feb; 3(1): 9-10.

Parish LC, Witkowski JA. Controversies about the decubitus ulcer. Dermatol Clin. 2004 Jan; 22(1): 87-91.

Parish LC, Witkowski JA. The bedbugs never left. SKINmed. 2004 Mar-Apr; 3(2): 69-70.

Wolf R, Matz H, Parish LC. After the antibiotics and breast cancer study: what to tell patients. SKINmed. 2004 May-Jun; 3(3): 125-7.

Witkowski JA, Parish JL, Parish LC. Traumatic purpuric penile ulcer. Acta Dermatovenerol Croat. 2004; 12(2): 96-8.

LAWRENCE CHARLES PARISH, MD

*Clinical Professor, Department of Dermatology and Cutaneous Biology
(continued)*

LAY PUBLICATIONS:

Parish LC. Pyogenic granuloma. *Pediatrics for Parents*. 2003; 20(12): 5.

Parish LC. Dyshidrosis. *Pediatrics for Parents*. 2004; 21 (1): 12.

POSTERS:

Wolf R, Orion E, Parish LC. Who's the boss? Israel Society of Dermatology and Venereology, Eilat, Israel, June 17-18, 2004

PRESENTATIONS:

Evidence-based care of decubitus ulcers. American Academy of Dermatology, Washington, DC. February 7, 2004

The other medicine: alternative, complementary, and integrative. Dubai Derma 2004, Dubai, United Arab Emirates, April 27, 2004.

The decubitus ulcer in perspective. Dubai Derma 2004, Dubai, United Arab Emirates, April 29, 2004.

The controversial wound known as the decubitus ulcer. Israel Society of Dermatology and Venereology, Eilat, Israel, June 17, 2004

SEMINARS ORGANIZED AND CHAIRED:

History of Dermatology Seminar, History of Dermatology Society, Washington, DC, February 5, 2004.

Integrative Dermatology & the Clinician. American Academy of Dermatology, Washington, DC. February 6, 2004

LAWRENCE CHARLES PARISH, MD

Clinical Professor, Department of Dermatology and Cutaneous Biology

(continued)

MEETINGS ATTENDED:

64th Annual Meeting of the American Academy of Dermatology, Washington, DC. February 6-11, 2004

Dubai Derma 2004, Dubai, United Arab Emirates, April 27 -29, 2004.

28th Annual Meeting of the Israel Society of Dermatology and Venereology, Eilat, Israel, June 17-18, 2004

PROFESSIONAL ORGANIZATIONS:

Member or Fellow:

American Association for the History of Medicine, American College of Physicians, American Dermatological Association, American Academy of Dermatology, Canadian Dermatology Association, Canadian Society for the History of Medicine, College of Physicians of Philadelphia (Section on the History of Medicine of the College of Physicians of Philadelphia, Section on Dermatology of the College of Physicians of Philadelphia), European Academy of Dermatology and Venereology. European Society for the History of Dermatology and Venereology, French Society for the History of Dermatology and Venereology, History of Dermatology Society (president), International Academy of Cosmetic Dermatology (president), Pennsylvania Academy of Dermatology, Philadelphia Dermatological Society

Honorary Member or Fellow:

American College of Veterinary Dermatology, Bulgarian Society of Dermatology, Florida Society of Dermatology, Italian Society of Dermatology and Venereology, Polish Academy of Dermatology, Venezuelan Society of Dermatology,

Corresponding Member or Fellow:

British Association of Dermatologists, French Society of Dermatology and Syphilology, Israeli Society of Dermatology

ELLEN G. PFENDNER, PHD

Assistant Professor, Department of Dermatology and Cutaneous Biology

PUBLICATIONS:

Sprecher E, Yossipovitch G, Bergman R, Ciubutaro D, Indelman M, Pfindner E, Goh CL, Miller CJ, Uitto J, Richard G 2003 Epidermolytic hyperkeratosis and epidermolysis bullosa simplex caused by frameshift mutations altering the V2 tail domains of keratin 1 and keratin 5. *J Invest Dermatol* 120:623-626.

Ciubutaro D, Bergman R, Baty D, Indelman M, Pfindner E, Petronius D, Moualem H, Kanaan M, Ben Amitai D, McLean WHI, Uitto J, Sprecher E 2003 Epidermolysis bullosa simplex in Israel: clinical and genetic features. *Arch Dermatol* 139:498-505.

Uitto, J, E Pfindner, L G Jackson Probing the fetal genome: progress in non-invasive prenatal diagnosis. 2003 *Trends in Molecular Medicine* 9:339-343.

Schara U, Tucke J, Mortier W, Nusslein T, Rouan F, Pfindner E, Zillikens D, Bruckner-Tuderman L, Uitto J, Wiche G, Schroder R. 2004 Severe mucous membrane involvement in epidermolysis bullosa simplex with muscular dystrophy due to a novel plectin gene mutation. *European Journal of Pediatrics* 163:218-22.

Presentations given at the Society of Investigative Dermatology Meeting, April 27-May 1 2004 Providence Rhode Island:

Pfindner, E, Uitto, J 2004 Novel and recurrent mutations in the keratin 5 and 14 genes in epidermolysis bullosa simplex: implications for genetic counseling. *Journal of Investigative Dermatology* 123 in press

Cash, S, Sadowski,S, Uitto,J, Pfindner, E 2004 Recurrent and de novo dominant COL7A1 mutations in dystrophic forms of epidermolysis bullosa. *Journal of Investigative Dermatology* 123 in press

Sadowski, S,Uitto, J, Pfindner, E, 2004 Recurrent ITGB4 mutations in Hispanic patients with epidermolysis bullosa and pyloric atresia. *Journal of Investigative Dermatology* 123 in press

Uitto, J, Pfindner, E, 2004 Compound heterozygosity for unique in-frame insertion and deletion mutations in the plectin gene in a mild case of epidermolysis bullosa with very late onset muscular dystrophy. *Journal of Investigative Dermatology* 123 in press.

FratTA, S, Uitto, J, Terry, S, Terry, P, Ringpfeil, F, Pfindner, E, 2004 dHPLC screening detects novel and recurrent mutations in Pseudoxanthoma Elasticum. *Journal of Investigative Dermatology* 123 in press.

ELLEN G. PFENDNER, PHD

*Assistant Professor, Department of Dermatology and Cutaneous Biology
(continued)*

Presentation at DebRA National Patient Conference, March 25-28 2004 Palo Alto CA:

Genetics and Genetic Testing for Epidermolysis Bullosa

UNIVERSITY COMMITTEES:

May 2003 to June 2004 Member of IRB Thomas Jefferson University and Jefferson Medical College Reviewer of proposal submitted for IRB approval for clinical trial and research involving human subjects.

MEMBERSHIPS:

American Society of Human Genetics
Society of Investigative Dermatology

GABRIELE RICHARD, M.D.

*Associate Professor, Department of Dermatology and Cutaneous Biology
Associate Professor, Department of Medicine*

PUBLICATIONS:

F. Rouan, C.W. Lo, A. Fertala, M. Wahl, U. Rodeck, J. Uitto, G. Richard. Divergent effects of two sequence variants of *GJB3* (G12D and R32W) on function of connexin 31 in vitro. Exp Dermatol 12: 191-197, 2003

V. Lagr e, K. Brunschwig, G. Richard, M. M. Falk, and N. B. Gilula. Dominant Negative Inhibition Of Connexin-43 And Connexin-32 By Connexin-43 Substitution Variants: Implications For The Role Of Specific Amino Acid Residues In Connexin Function And Selectivity. J Cell Sci 116: 3189-3201, 2003.

P. H. Itin, M. Moschopoulos, G. Richard. Reticular erythrokeratoderma (Aara disease) - A new disorder of cornification. Am J Med Genet 120A:237-240, 2003

E. Sprecher, G. Yossipovitch, R. Bergman, D. Ciubutaro, M. Indelman, E. Pfender, L. C. Goh, Ch. J. Miller, J. Uitto, G. Richard. Epidermolytic hyperkeratosis and epidermolysis bullosa simplex caused by frameshift mutations altering the V2 tail domains of keratin 1 and keratin 5. J Invest Dermatol 120: 623-6, 2003

Ishida-Yamamoto, G. Richard, H. Takahasi, H. Iizuka. *In vivo* studies of mutant K1 in Ichthyosis Hystrix Curth-Macklin. J Invest Dermatol 120: 498-500, 2003

L.Y. Hwang, J.B. Lee, G. Richard, J. Uitto, S. Hsu. Type I segmental manifestation of Hailey-Hailey disease. J Am Acad Dermatol 49 (4) : 712-714, 2003

Indelman M, Hamel CP, Bergman R, Nischal KK, Thompson D, Surget MO, Ramon M, Ganthos H, Miller B, Richard G, Lurie R, Leibur R, Russell-Eggitt I, Sprecher E. Phenotypic diversity and mutation spectrum in hypotrichosis with juvenile macular dystrophy. J Invest Dermatol 121(5):1217-20, 2003

G. Richard, N. Brown, F. Rouan, J.-G. Van der Schroeff, E. Bijlsma, L. F. Eichenfield, V. P. Sybert, K. E. Greer, P. Hogan, C. Campanelli, J. G. Compton, S. J. Bale, J. J. DiGiovanna, J. Uitto. Genetic heterogeneity in erythrokeratoderma variabilis: Novel mutations in the connexin gene *GJB4* (Cx30.3) and genotype-phenotype correlations. J Invest Dermatol 120:601-609, 2003

W. Brown, M. L. Levy, C. M. Flaitz, B. S. Reid, S. Manolidis, A. A. Hebert, M. M. Bender, H. A. Heilstedt, K. S. Plunkett, P. Fang, P. Chung, B. B. Roa, H.-Y. Tang, G. Richard, R. L. Alford. A novel *GJB2* (Cx26) mutation, F142L, in a patient with unusual mucocutaneous findings and deafness. J Invest Dermatol 121(5): 1221-1223, 2003

GABRIELE RICHARD, M.D.

Associate Professor, Department of Dermatology and Cutaneous Biology

Associate Professor, Department of Medicine

(continued)

A.Y. Jan, S. Amin, P. Ratajczak, G. Richard, V.P. Sybert. Genetic heterogeneity of KID syndrome: Identification of a Cx30 gene (*GJB6*) mutation in a patient with KID syndrome and congenital atrichia. J Invest Dermatol 122:1108-1113, 2004.

Topaz, D.L. Shurman, R. Bergman, M. Indelman, P. Ratajczak, M. Mizrachi, Z. Khamaysi, D. Behar, D. Petronius, V. Friedman, I. Zelikovic, S. Raimer, A. Metzker, G. Richard, E. Sprecher. Mutations in *GALNT3*, encoding a protein involved in O-linked glycosylation, cause familial tumoral calcinosis. Nat Genet, 36:579-81, 2004; epub May 09, 2004.

Richard, N. Brown, A. Ishida-Yamamoto and A. Krol. Expanding the phenotypic spectrum of Cx26 disorders: Bart-Pumphrey Syndrome is caused by a novel missense mutation in *GJB2*. J Invest Dermatol, 2004, in press

Sprecher, E, Tesfaye-Kedjela, A, Ratajczak, P, Bergman, R, Richard+G: Deleterious mutations in *SPINK5* in a patient with congenital ichthyosiform erythroderma: molecular testing as a helpful diagnostic tool for Netherton syndrome. Clin Exp Dermat, 2004, in press

Ishida-Yamamoto, C. Deraison, C. Bonnart, E. Bitoun, T.J. O'Brien, K. Wakamatsu, S. Ootsubo, H. Takahashi, Y. Hashimoto, P. JC Dopping-Hepenstal, J. A. McGrath, H. Iizuka, G. Richard, A. Hovnanian: vTransport of LEKTI via lamellar granules: relevance to desquamation in normal human skin and the pathogenesis of Netherton syndrome. J Invest Dermatol, submitted 6/2004

A.S. Geyer, P. Ratajczak, M. Pol-Rodriguez, M. Garzon, G. Richard. Netherton syndrome with extensive skin peeling and failure to thrive due to a homozygous frameshift mutation in *SPINK*. Br. J Dermatol, submitted June 2004

INVITED REVIEWS:

G. Richard. Connexin gene pathology. Clin Exp Dermatol 28 (4):397-409, 2003

G. Richard. Molecular genetics of the ichthyoses. In: Genetic Disorders of the Skin. Am J Med Genet (Seminars), Der Kaloustian and Happle (eds), in press

J. Uitto and G. Richard. Progress in epidermolysis bullosa: Genetic classification and clinical implications. In: Genetic Disorders of the Skin. Am J Med Genet (Seminars), Der Kaloustian and Happle (eds), in press

OTHER PUBLICATIONS AND EDITORIALS:

J. Uitto and G. Richard. Heritable skin disorders – Novel mutations and spectrum of phenotypes. Editorial. J Invest Dermatol 121:V, 2003

GABRIELE RICHARD, M.D.

Associate Professor, Department of Dermatology and Cutaneous Biology

Associate Professor, Department of Medicine

(continued)

BOOK CHAPTERS:

G. Richard. Erythrokeratoderma variabilis. In: The NORD Guide to Rare Diseases. Lippincott, Williams & Wilkins, 2003.

G. Richard. Progressive symmetric erythrokeratoderma. In: The NORD Guide to Rare Diseases. Lippincott, Williams & Wilkins, 2003.

G. Richard and J. Uitto. Inherited Skin disease. In: Encyclopedic Reference of Genomics and Proteomics in Molecular Medicine. D. Ganten & K. Ruckpaul (eds) Springer International, in press.

J. Uitto, G. Richard and A. Christiano. Epidermolysis Bullosa. In: Principles of Molecular Medicine, in press

PARTICIPATION IN SCIENTIFIC/CLINICAL MEETINGS AND PRESENTATIONS:

Oral presentations

International gap Junction Conference, Cambridge, UK. August 23-28, 2003. Molecular Studies in KID Syndrome Reveal a Mutational ‘Hot Spot’ in Cx26, Genetic Heterogeneity and an Intriguing Phenotypic Variability. G. Richard, L. Yi, D. Wasserman, F. Rouan, A.Y. Jan, V.P. Sybert, J. Uitto.

Invited lecture, Wistar Institute, Philadelphia, PA (Melanoma Group Seminar), October 28, 2003. ‘Connecting with Connexins’. G. Richard

Annual Meeting of the Assoc. for Research in Vision and Ophthalmology, Ft. Lauderdale, April 25-30, 2004. Connexin expression in the human corneal epithelium in vivo and in vitro. D.I. Shurman, L. Glazewski, J.D. Zieske and G. Richard

Annual Meeting of the American Academy of Dermatology. February 2004. Co-organizer and Faculty, Forum ‘Impact of Molecular Genetics on Clinical Dermatology and Dermatopathology’. Clinical Implications of Advances in Molecular Genetics of DOC.

Annual Meeting of the Society of Pediatric Dermatology. February 2004. Erythrokeratoderma variabilis in a Hispanic child. AB Alio, G Richard, MA Dohil, C Maari, LF Eichenfield.

GABRIELE RICHARD, M.D.

Associate Professor, Department of Dermatology and Cutaneous Biology

Associate Professor, Department of Medicine

(continued)

Annual Meeting of the Assoc. for Research in Vision and Ophthalmology, Ft. Lauderdale, April 25-30, 2004. Connexin expression in the human corneal epithelium in vivo and in vitro. D.I. Shurman, L. Glazewski, J.D. Zieske and G. Richard

Summer Meeting of the American Academy of Dermatology. July 2004. Invited speaker 'Connexins in Pediatric Dermatoses'.

Invited lecture. Grand Rounds, Department of Dermatology, Northwestern University, Chicago. May 26, 2004. Human Connexin Disorders: Mind the Gap Junction

Invited lecture. Cell Biology Interest Group Meeting, Northwestern University, Chicago. May 26, 2004. Connexin mutations and their functional consequences in ectodermal epithelia.

ABSTRACTS AND POSTER PRESENTATIONS:

Gordon Research Conference. Molecular and Functional Studies in KID Syndrome Reveal Genetic Heterogeneity and Functional Impairment of Cx26. G. Richard, L. Yi, D. Wasserman, F. Rouan, A.Y. Jan, V.P. Sybert, J. Uitto.

International gap Junction Conference, Cambridge, August 23-28, 2003. Similar Mutations of Cx31 and Cx30.3 Impair Gap Junction Function, Dominantly Inhibit wtCx31, and Have Different Consequences for Cell Survival. F. Rouan, L. Yi, J. Uitto, G. Richard.

Sigma Xi Research Day, Jefferson Medical College, March 18, 2004. Calcium-Induced Changes in Connexin Gene Expression in Corneal Epithelial Cell Cultures. LM Glazewski, DL Shurman and G Richard.

Sigma Xi Research Day, Jefferson Medical College, March 18, 2004. Linkage studies in the skin disorder Pityriasis Rubra Pilaris exclude four prominent candidate gene regions. K. Richard, F. Ringpfeil, and G. Richard.

Annual Meeting of the American Society of Medical Genetics. *In vitro* functional analysis of a Connexin 26 protein bearing an F142L amino acid substitution. Hsiao-Yuan Tang, Chester W. Brown, Gabriele Richard, Raye Lynn Alford.

65th Annual Meeting of The Society for Investigative Dermatology, April 28-May2, 2004. Molecular Epidemiology Of Epidermolysis Bullosa In Middle East Populations. E. Sprecher, J. Abu Sa'd, E. Pfendner, M. Indelman, D. Ciubutaro, M. Mizrachi, G.G. Lestringant, L. Pulkkinen, G. Richard, M. Kanaan, J. Uitto, R. Bergman.

GABRIELE RICHARD, M.D.

Associate Professor, Department of Dermatology and Cutaneous Biology

Associate Professor, Department of Medicine

(continued)

65th Annual Meeting of The Society for Investigative Dermatology, April 28-May2, 2004. Netherton Syndrome: Novel and Recurrent Mutations in SPINK5 and implications for screening and diagnosis. Gabriele Richard, Paulina Ratajczak, Shivan Amin, Humza Ilyas, Aida Tesfaye Kedjela Elaine C. Siegfried and Jouni Uitto.

65th Annual Meeting of The Society for Investigative Dermatology, April 28-May2, 2004. A novel dominant missense mutation of GJB6 (Cx30) causing KID syndrome with mild cutaneous phenotype. D. Wasserman, P. Ratajczak, F. Ringpfeil, G. Richard.

65th Annual Meeting of The Society for Investigative Dermatology, April 28-May 2, 2004. Calcium-Induced Changes in Connexin Expression and Function in the Corneal Epithelium. D.I. Shurman, L. Glazewski, J.D. Zieske and G. Richard.

DEPARTMENTAL COMMITTEES

Co-Director, Molecular Diagnostic Laboratory

Member of the Organizing Committee for the 12th International Symposium on Basement Membranes, Philadelphia, June 15 - 18, 2005

PROFESSIONAL ORGANIZATIONS:

American Society of Human Genetics

Society of Investigative Dermatology

Association for Research in Vision and Ophthalmology

German Society of Dermatology

Society of Pediatric Dermatology

Philadelphia Dermatological Society

Medical Advisory Board, FIRST

FRANZISKA RINGPFEIL, MD

Assistant Professor, Department of Dermatology and Cutaneous Biology

PUBLICATIONS:

Uitto J, Ringpfeil F. Ehlers-Danlos syndrome-molecular genetics beyond the collagens. *J Invest Dermatol.* 122:xii-xiii, 2004

Ringpfeil F, McGuigan K, Kozic H, Uitto J. Pseudodominance in Pseudoxanthoma Elasticum - a common Phenomenon: Implications for Genetic Counseling. (submitted)

BOOK CHAPTERS:

Uitto J, Ringpfeil F. Heritable Disorders of Connective Tissue. In: Principles of Molecular Medicine (2nd Edition). Diaz LA, Goldsmith LA, The Humana Press, Totowa, NJ (in press)

Ringpfeil F, Uitto J. Pseudoxanthoma Elasticum. In: Encyclopedia of Diagnostic Genomics and Proteomics. Fuchs J, Podda M, Marcel Dekker, New York, NY, (in press)

ABSTRACTS:

Ringpfeil F, McGuigan K, Kozic H, Uitto J. Pseudodominance in Pseudoxanthoma Elasticum - a common Phenomenon: Implications for Genetic Counseling. American Society for Human Genetics, Fifty-Third Annual Meeting, Los Angeles, CA, November 4-9, 2003

Fuchsel L, Kozic H, McGuigan K, Skvarka C, Jacobson M, Uitto J, Ringpfeil F. Genotype Phenotype Correlation in 62 Patients with Pseudoxanthoma Elasticum. Society for Investigative Dermatology, Providence, RI, April 28-May 1, 2004 (*J Invest Derm* 122:A93)

Ringpfeil F., McGuigan K, Fuchsel L, Kozic H, Lebwohl M, Uitto J. Autosomal Dominant Inheritance in PXE revisited. Society for Investigative Dermatology, Providence, RI, April 28-May 1, 2004 (*J Invest Derm* 122:A92)

Wasserman DI, Ratajczak P, Ringpfeil F, Richard G. A novel dominant missense Mutation of GJB6 (Cx30) causing KID Syndrome with mild cutaneous Phenotype. Society for Investigative Dermatology, Providence, RI, April 28-May 1, 2004 (*J Invest Derm* 122:A92)

Rucker D, Campanelli C, Lee J, Ringpfeil F. Widespread Vitiligo in an Infant. Society for Pediatric Dermatology Annual Meeting, Charleston, SC, June 17-20, 2004

GRANT SUPPORT:

Dermatology Foundation; Clinical Career Development Award

FRANZISKA RINGPFEIL, MD

*Assistant Professor, Department of Dermatology and Cutaneous Biology
(continued)*

PARTICIPATION IN SCIENTIFIC/ CLINICAL MEETINGS AND PRESENTATIONS:

Ringpfeil F, McGuigan K, Kozic H, Uitto J. Pseudodominance in Pseudoxanthoma Elasticum - a common Phenomenon: Implications for Genetic Counseling, American Society for Human Genetics, Fifty-Third Annual Meeting, Los Angeles, CA, November 4-9, 2003

Society for Pediatric Dermatology, 16th Annual Pre-AAD Meeting, Washington DC, February 5, 2004

Amir I, Ringpfeil F. Sweet Syndrome with Hemophilus Influenza Pneumonia, American Academy of Dermatology, 62nd Annual Meeting, Washington, D.C. February 6-11, 2004

Cenci J, Ringpfeil F. Bullous Lichen Planus in a Child, American Academy of Dermatology, 62nd Annual Meeting, Washington, D.C. February 6-11, 2004

Ringpfeil F. Genotype Phenotype Correlation in Pseudoxanthoma Elasticum. Plenary Session, Clinical Scholars Program. Society for Investigative Dermatology, Providence RI, April 28- May 1, 2004

Fuchsel L, Kozic H, McGuigan K, Skvarka C, Jacobson M, Uitto J, Ringpfeil F. Genotype Phenotype Correlation in 62 Patients with Pseudoxanthoma Elasticum. Society for Investigative Dermatology, Providence, RI, April 28-May 1, 2004

Ringpfeil F., McGuigan K, Fuchsel L, Kozic H, Lebwohl M, Uitto J. Autosomal Dominant Inheritance in PXE revisited. Society for Investigative Dermatology, Providence, RI, April 28-May 1, 2004

Wasserman DI, Ratajczak P, Ringpfeil F, Richard G. A novel dominant missense Mutation of GJB6 (Cx30) causing KID Syndrome with mild cutaneous Phenotype. Society for Investigative Dermatology, Providence, RI, April 28-May 1, 2004

Rucker D, Campanelli C, Lee J, Ringpfeil F. Widespread Vitiligo in an Infant. Society for Pediatric Dermatology Annual Meeting, Charleston, SC, June 17-20, 2004

University Committees:

JUP Advisory Council

FRANZISKA RINGPFEIL, MD

*Assistant Professor, Department of Dermatology and Cutaneous Biology
(continued)*

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS:

- American Academy of Dermatology
- Dermatology Foundation, Vice Chair, Pennsylvania
- Society for Investigative Dermatology
- Society for Pediatric Dermatology
- Philadelphia Dermatological Society
- Medical Advisory Board, NAPE (National Association for Pseudoxanthoma elasticum)
- Airline Ambassadors International

FATIMA ROUAN, PH.D.

Research Assistant Professor, Department of Dermatology and Cutaneous Biology

PUBLICATIONS:

Schara U, Tucke J, Mortier W, Nusslein T, **Rouan F**, Pfindner E, Zillikens D, Bruckner-Tuderman L, Uitto J, Wiche G, Schroder R. Severe mucous membrane involvement in epidermolysis bullosa simplex with muscular dystrophy due to a novel plectin gene mutation. Eur J Pediatr. 2004 Apr;163(4-5):218-22. Epub 2004 Feb 13.

PARTICIPATION IN SCIENTIFIC/CLINICAL MEETINGS AND PRESENTATIONS:

2nd Annual Meeting of International society of stem cell research from June 10-13th 2004
Boston, MA

HONORS/SPECIAL RECOGNITIONS:

Dermatology Foundation Research Career Development Grant Award

PROFESSIONAL ORGANIZATIONS:

American Society of Cell Biology (ASCB)

International Society of Stem Cell Research (ISSCR).

JANET SAWICKI, PH.D.

Associate Professor, Department of Dermatology and Cutaneous Biology

PUBLICATIONS:

Morris, R.J., Liu, Y., Marles, L., Yang, Z., Trempus, C., Li, S., Lin, J.S., Sawicki, J.A., Costarelis, G. Capturing and profiling adult hair follicle stem cells. *Nat. Biotechnol.* 22:411-417. 2004.

Anderson, D.G., Peng, W., Akinc, A., Houssain, N., Kohn, A., Padera, R., Langer, R., and Sawicki, J.A. A polymer approach to suicide gene therapy for cancer. *Proc. Natl. Acad. Sci. USA.* In press.

Sawicki, J.A. and Peng, W. Prostate tumor regression following adenoviral delivery of Flp recombinase-regulated diphtheria toxin expression. *Mol. Ther.* 9: S228.

Peng, W., Anderson, D.G., Langer, R.S., and Sawicki, J.A. Nanoparticle-delivered suicide gene results in prostate tumor regression. Abstract #1188. *Amer. Assoc. Cancer Res. Annual Meeting*, March, 2004.

PROFESSIONAL ORGANIZATIONS:

American Association for the Advancement of Science
American Society of Gene Therapy
American Association for Cancer Research
International Society of Differentiation

DANIEL SHURMAN MD

Post-Doctoral Research Fellow, Department of Dermatology and Cutaneous Biology

PUBLICATIONS:

Topaz O, Shurman DL, Bergman R, Indelman M, Ratajczak P, Mizrachi M, Khamaysi Z, Behar D, Petronius D, Friedman V, Zelikovic I, Raimer S, Metzker A, Richard G, Sprecher E. Mutations in GALNT3, encoding a protein involved in O-linked glycosylation, cause familial tumoral calcinosis. *Nat Genet.* 2004 Jun; 36(6):579-81.

Shurman D, Reich HL, James WD. Lichen planus confined to a radiation field: the "isoradiotopic" response. *J Am Acad Dermatol.* 2004 Mar; 50(3):482-3.

Shurman D.L., Glazewski L., Zieske J., Richard G. Calcium-induced changes in connexin expression and function in the corneal epithelium. Abstract at Society of Investigative Dermatology Meeting 2004

Shurman D.L., Glazewski L., Zieske J., Richard G Connexin expression in the human corneal epithelium in vivo and in vitro. ARVO (association of research for vision and ophthalmology) 2004 meeting. Abstract and Paper presentation.

PARTICIPATED IN SCIENTIFIC MEETINGS AND PRESENTATIONS

Participated in 2004 Annual ARVO and SID Meetings.

Paper presentation at ARVO 4/2004- Shurman D.L., Glazewski L., Zieske J., Richard G Connexin expression in the human corneal epithelium in vivo and in vitro.

HONORS:

Recipient of Fight For Sight Post-Doctoral Fellowship grant 2004.

Recipient of National Eye Institute travel grant 2004.

PROFESSIONAL ORGANIZATIONS:

Member of the Society of Investigative Dermatology and Association of Research in Vision and Ophthalmology.

KENNETH WASSERMAN, M.D.

Adjunct Instructor, Department of Dermatology and Cutaneous Biology

APPOINTMENTS:

Delegate to the Pennsylvania Medical Society Representing Philadelphia, 2004.

Chairman of the American Academy of Dermatology's Major League Baseball Skin Cancer Program: *Play Smart When It Comes To The Sun*. 2000 - present.

Chairman of the American Academy of Dermatology Task Force for Skin Cancer Screening for Major League Baseball. July 1998 - 2000.

Advisory Board Representative to the American Academy of Dermatology representing the Philadelphia Dermatologic Society. 1992 - present.

Executive Committee-Pennsylvania Academy of Dermatology. 1994 - present.

Co-Chairman, Economics Committee-Pennsylvania Academy of Dermatology. 1995 - present.

Member, Standards of Care Committee-Pennsylvania Academy of Dermatology. 2000 - present.

MEDIA:

WFAN-AM [IND] "Bob Salter Show" (aud. 290,000) - An interview with Ken Wasserman, M.D., about skin cancer and the *Play Smart When It Comes to the Sun* program aired May 23, 2004.

Comcast [Cable] "News" (comb. aud. 195,000) - An interview with Ken Wasserman, M.D., about sun safety, skin cancer and the *Play Smart When It Comes to the Sun* program aired at 7 p.m. and 10 p.m., May 3, 2004.

KYW-AM [CBS] "News" (aud. 78,600) - An interview with Ken Wasserman, M.D., about sun safety, skin cancer and the *Play Smart When It Comes to the Sun* program aired at various times April 30, 2004.

WSTW-FM/WDEL-AM [ABC] "Lifestyle 1150 AM" (comb. aud. 15,000) - An interview with Ken Wasserman, M.D., about sun safety, skin cancer and the *Play Smart When It Comes to the Sun* program aired at various times, May 1 and May 2, 2004.

KENNETH WASSERMAN, M.D.

*Adjunct Instructor, Department of Dermatology and Cutaneous Biology
(continued)*

WJJZ-FM [IND] "Philly Focus" (aud. 37, 900) - An interview with Ken Wasserman, M.D., about sun safety, skin cancer and the *Play Smart When It Comes to the Sun* program aired May 30, 2004.

WHYY-TV [PBS] "Delaware Tonight" (aud. 17, 000) - A live interview with Ken Wasserman, M.D., about skin cancer and the *Play Smart When It Comes to the Sun* program aired June 8, 2004.

WUSL- FM [IND] "Philadelphia Focus" (aud. 46, 500) - An interview with Ken Wasserman, M.D., about sun safety, skin cancer and the *Play Smart When It Comes to the Sun* program aired June 13, 2004.

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS:

American Academy of Dermatology
American Medical Association
Pennsylvania Medical Society
Pennsylvania Academy of Dermatology
Philadelphia Dermatologic Society
Philadelphia County Medical Society

MEETINGS ATTENDED:

Monthly Philadelphia Dermatological Society Meetings
American Academy of Dermatology, Summer Session, New York, July 2004
American Academy of Dermatology, Washington, DC, February 2004
Fall Clinical Dermatology Conference, Las Vegas, NV, October 2003
Pennsylvania Academy of Dermatology, Hershey, PA, October 2003

GUY F. WEBSTER, MD, PHD

Professor and Clinical Vice Chair, Department of Dermatology and Cutaneous Biology; Professor of Medicine, Division of Clinical Pharmacology (secondary appointment); Director, Center for Cutaneous Pharmacology, Department of Dermatology and Cutaneous Biology

PUBLICATIONS:

Reza F. Ghohestani, M.D., Ph.D.; Sherry Rotunda, M.D.; Billy Hudson, Ph.D.; William J. Gaughan, M.D.; John Farber, M.D.; Guy Webster, M.D., Ph.D.; Jouni Uitto M.D., Ph.D. Brief Report: Crescentic Glomerulonephritis and Sub-epidermal Blisters in a Patient with the Predominant IgA Class Autoantibodies to $\alpha 5$ and $\alpha 6$ Chains of Type IV Collagen. *Lab. Invest* 83:605-611, 2003

MTS Lin, R Gohestani, GF Webster, G. Murphy, Histologic and molecular analysis of epidermolysis bullosa acquisita in an African-American Patient. (Manuscript submitted)

Webster, MD, PhD, Topical Retinoid Therapy in Inflammatory Acne: A Randomized, Masked, Vehicle-Controlled Photographic Assessment. *J.A.A.D.* in press

AJ Park, GF Webster, RB Penne, IM Raber, Porphyria cutanea tarda presenting as cicatricial conjunctivitis. *Am. J. Ophth.* 134:619-621, 2002

GF Webster, Laser Treatment for Acne, *The Lancet*, 362:1342, 2003.

CHAPTERS:

G.F. Webster, Rosacea, in *Dermatology*, J Bologna, J. Jorizzo, R. Rapini eds. Elsevier, London, 2003.

INVITED PRESENTATIONS:

Moderator, Acne Forum, Summer AAD Meeting, Chicago, 2003

Topical Acne Therapy, Acne Symposium, Summer AAD Meeting, Chicago, 2003

Psoriasis Therapy, Update on Biologicals in Psoriasis, Univ. Pa., Phila, Pa, 2003

Bereston Lectureship, Univ. Maryland, Baltimore, MD, 2003

Rosacea Therapy, Fall Clinical Dermatology Conf., Las Vegas, NV, 2003

Visiting Professor, SUNY Downstate Medical Center, NY, NY 2003

Anti-Inflammatory Activity of antibiotics, Hawaii Derm, 2004

Skin disease in HIV, Caribbean Dermatology, Dorado, PR 2004

Anti-inflammatory antibiotics and rosacea, Caribbean Dermatology, Dorado, PR, 2004

Anti-inflammatory antibiotics, Dallas Dermatological Soc., Dallas, TX, 2004

Visiting Professor, University of Chicago Dept Dermatology, Chicago, IL, 2004

Antibiotic Therapy in Acne, Valley of the Sun Conference, Phoenix, AZ 2004

Treatment of Eczema, Valley of the Sun Conference, Phoenix, AZ 2004

Visiting Professor, Univ. California, Davis, Sacramento, CA 2004

JOHN K. WILDEMORE IV, MD

Resident (PGY-3), Department of Dermatology and Cutaneous Biology

PUBLICATIONS:

Wildemore JK, Lee JB, Humphreys TR. Mohs Micrographic Surgery and Malignant Eccrine Tumors. Accepted for Publication, June 2004 –Dermatologic Surgery Journal

Wildemore JK, Junkins-Hopkins JM, and James WD. Evaluation of the histologic characteristics of patch test confirmed allergic contact dermatitis. Journal of the American Academy of Dermatology. 2003 Aug; 49(2): 243-8.

PARTICIPATION IN SCIENTIFIC/CLINICAL MEETINGS AND PRESENTATIONS:

October 2003: Mohs Micrographic Surgery and Malignant Eccrine Tumors
American Society for Dermatologic Surgery Combined Annual Meeting, New Orleans, LA

PROFESSIONAL ORGANIZATIONS:

American Medical Association
American Academy of Dermatology
American Society for Dermatologic Surgery

KYONGGEUN YOON, PH.D.

Professor of Dermatology and Cutaneous Biology
Professor of Biochemistry and Molecular Pharmacology
Director, Cutaneous Gene Therapy Center

PUBLICATIONS:

Fan, W. and **Yoon, K.**, “*In vivo* Alteration of the Keratin 17 Gene in Hair Follicles by Oligonucleotide-Directed Gene Targeting”, *Exp. Derm.* 12, 832-842, 2003.

Igoucheva, O. and Alexeev, V. **Yoon, K.** “Oligonucleotide-directed mutagenesis and targeted gene correction: A mechanistic point of view”, *Current Molecular Medicine*, 4, 445-463, 2004

Igoucheva, O. and **Yoon, K.** “Gene targeting by oligonucleotides in keratinocytes” in press, *Epidermal Cell Protocols*, ed, Turksen, K. Humana Press, 2004.

Yoon, K. “Oligonucleotide-directed gene correction in epidermis”, submitted to *J. Invest. Derm.*, in press, 2004

Yoon, K., Alexeev, V. and Igoucheva, O. “Biased gene repair needs unbiased review”, *Correspondence, Nature Reviews Genetics* , 4, 679-689, 2003.

GRANT SUPPORT:

1 R21 AR49229-01 (Yoon)	09/30/02 – 09/29/04
NIH/NIAMS	\$ 100,000
Inhibition of Collagen Synthesis by RNA interference	
P01 CA072765-06 (PI: Gerwitz, Project 4 co-PI: Yoon)	8/1/03-6/31/08
NIH/NCI	\$ 409,111
"Examining oligonucleotide effects on gene expression"	
5 P01 AR38923-17 (Uitto)	05/15/87-03/31/07
NIH/NIAMS	\$ 655,901
Molecular Genetics of Skin Basement Membrane Zone	
Samsung OTT3210 (Yoon)	09/01/00-
Samsung	\$ 100,000
Inactivation of ICAM-1 Gene Involved in Psoriasis	
DE-AC05-00OR22725 (Yoon)	01/01/03 – 3/31/04
DOE	\$ 83,769
(Subcontract)	
Demonstration of Feasibility of High-Throughput Oligonucleotide-Mediated Point Mutagenesis of Mouse Embryonic Stem Cells	

KYONGGEUN YOON, PH.D.

Professor of Dermatology and Cutaneous Biology

Professor of Biochemistry and Molecular Pharmacology

Director, Cutaneous Gene Therapy Center

(continued)

PARTICIPATION IN SCIENTIFIC/CLINICAL MEETINGS AND PRESENTATIONS.

INVITED LECTURES

Pachyonichia Congenita Symposium, Utah, February, 2004

PROFESSIONAL ORGANIZATIONS.

American Society of Biological Chemistry and Molecular Biology

American Association of Advanced Science

Society of Investigative Dermatology

NIH study section, member of the R21/RFA review group

NIH study section, ad hoc reviewer for Medical Biochemistry study section

Ad hoc reviewer for the DebRA Foundation grants

